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Biochemical Reagents



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**Seebio Biotech (Shanghai) Co., Ltd.**

**Edition 2**

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General Reagent			
Code	Abbr.	Product	CAS
180121	TEMED	N, N, N, N-Tetramethylethylenediamine, >99.0%	110-18-9
145521	HEDTA. 3Na	N-(2-Hydroxyethyl)ethylenediamine-N, N', N'-triacetic acid, trisodium salt, >99.0%	139-89-9
137481	EGTA	Ethylene glycol bis(2-aminoethylether) N, N, N', N'-tetraacetic acid, >99.0%	67-42-5
137290	EDTA	Ethylenediaminetetraacetic acid, >99.0%	60-00-4
137335	EDTA.2Na	Ethylenediaminetetraacetic acid disodium salt, >99.0%	139-33-3
137330	EDTA.2Na.2H2O	Ethylenediaminetetraacetic acid disodium salt dihydrate, >99.0%	6381-92-6
137435	EDTA 4Na	Ethylenediaminetetraacetic acid tetrasodium salt, >99.0%	13235-36-4
137437	EDTA.4Na.H2O	Ethylenediaminetetraacetic acid tetrasodium salt hydrate, >99.0%	194491-31-1
137430	EDTA.4Na.2H2O	EDTA tetrasodium salt, >99.0%	10378-23-1
137376	EDTA.2Na.Mg.H2O	Ethylenediaminetetraacetic acid disodium magnesium salt hydrate, >99.0%	14402-88-1
137421	EDTA.Fe. Na	Ethylenediaminetetraacetic acid, iron(III) monosodium salt, >99.0%	15708-41-5
137406	EDTA.Zn. 2Na.H2O	Ethylenediaminetetraacetic acid zinc disodium salt hydrate, >99.0%	39208-16-7
137386	EDTA.Mn. 2Na.H2O	Ethylenediaminetetraacetic acid manganese disodium salt hydrate, >99.0%	15375-84-5
137306	EDTA. 2NH4.H2O	Ethylenediaminetetraacetic acid diammonium salt hydrate, >99.0%	20824-56-0
137307	EDTA. 2Li.H2O	Ethylenediaminetetraacetic acid dilithium salt hydrate, >99.0%	14531-56-7
137301	EDTA. 2K.2H2O	Ethylenediaminetetraacetic acid dipotassium salt dihydrate, >99.0%	25102-12-9
137336	EDTA.3K	Ethylenediaminetetraacetic acid tripotassium salt, >99.0%	17572-97-3
137447	EDTA.3K. 2H2O	Ethylenediaminetetraacetic acid tripotassium salt dihydrate, >99.0%	65501-24-8
137436		EDTA tetrakis(tetramethylammonium) salt, 30% w/v aq. soln., >99.0%	
144815		Hyaluronic acid sodium salt	9067-32-7
175241		Sodium Caprylate, >99%	1984-06-1
133050	DMSO	Dimethyl sulfoxide, >99%	67-68-5
169621		1,3-Propanediol, USP/EP, >98%	504-63-2
176401		Pyruvic acid, Sodium salt, >99%	113-24-6
178270		Taurine, >99%	107-35-7
177530		Succinic acid(Free acid), >99.5%	110-15-6
149201		alpha-Ketoglutaric acid, >99%	328-50-7
149203		alpha-Ketoglutaric acid disodium salt, >99%	305-72-6
155081		N-Methyl-D-glucamine, USP/EP, >99.0%	6284-40-8
178230		D(-)-Tartaric acid, >99%	147-71-7
176861		D-Sorbitol, >99%	50-70-4
151950		DL-Malic acid, >98%	617-48-1
176041		Antioxidant PVN, sodium metavanadate, >98%	13718-26-8
176361		Sodium pyrophosphate anhydrous, BR, >99.0%	7722-88-5
176701		Sodium tetraphenylborate, ≥98.0%	143-66-8
A10704	EDC.HCl	1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride, ≥99.0%	25952-53-8
116221		Calmagite, 1-(1-Hydroxy-4-methyl-2-phenylazo)-2-naphthol-4-sulfonic acid, 3-Hydroxy-4-(2-hydroxy-5-methylphenylazo)naphthalene-1-sulfonic acid, ≥98.0%	3147-14-6
176310		Tri-Sodium Phosphate Dodecahydrate, >99.0%	10101-89-0

121961	Creatine Phosphate, disodium salt, tetrahydrate, >99.0%	71519-72-7
101510	Acrylamide, >99.0% , Eelectrophoresis	79-06-1
154901	Bis-acrylamide (N, N-Methylenebisacrylamide), >99.0%	110-26-9
102515	Agarose, Ultra Pure, Eelectrophoresis	9012-36-6
145416	Acetosyringone, >99.0%	2478-38-8
175741	Sodium -beta-glycerophosphate, >99.0%	819-83-0
139869	Foli-Ciocalteu's phenol reagent, BR	N/A
119910	Cholesterol, Ultra Pure, ≥99.0 % (GC)	57-88-5
111310	Bilirubin(ex pig) , >99.5%	635-65-4

### Carbohydrate

Code	Abbr.	Product	CAS
122450	alpha-CD	alpha-Cyclodextrin, >99.0%	10016-20-3
122461	beta-CD	beta-Cyclodextrin, >99.0%	7585-39-9
122470	gamma-CD	gamma-Cyclodextrin, >99.0%	17465-86-0
122460		Dimethyl-beta-cyclodextrin, >99.0%	51166-71-3
122469		Glucose-beta-cyclodextrin, >99.0%	
122464		Hydroxyethyl-beta-cyclodextrin, >99.0%	128446-32-2
122465	HP-beta-CD	Hydroxypropyl-beta-cyclodextrin, >99.0%	128446-35-5
122467		Methyl-beta-cyclodextrin, >99.0%	128446-36-6
122466		Sulfobutylether-beta-cyclodextrin, >99.0%	25167-62-8
195200		2, 6-Di-O-methyl-alpha-cyclodextrin	51166-72-4
195201		Glucuronylglucosyl-beta-cyclodextrin	
195202		(2-Hydroxyethyl)-beta-cyclodextrin	128446-32-2
195203		6-O-alpha-Maltosyl-alpha-cyclodextrin	100817-30-9
195204		6-O-alpha-Maltosyl-beta-cyclodextrin hydrate	104723-60-6
195205		2,3, 6-Tri-O-methyl-beta-cyclodextrin	55216-11-0
195206		6-O-alpha-D-glucosyl-alpha-cyclodextrin Mono	10058-19-2
195207		6-O-alpha-D-glucosyl-beta-cyclodextrin	92517-02-7
195208		Glucuronylglucosyl-beta-cyclodextrin Sodium Salt	
195209		Cycloamylose	
124003		Dextran D3 (MW 3000), USP/EP/BP/CP	9004-54-0
124004		Dextran D4 (MW 4000), USP/EP/BP/CP	9004-54-0
124005		Dextran D5 (MW 5000), USP/EP/BP/CP	9004-54-0
124006		Dextran D6 (MW 6000), USP/EP/BP/CP	9004-54-0
124007		Dextran D7 (MW 7000), USP/EP/BP/CP	9004-54-0
124009		Dextran D9 (MW 9000), USP/EP/BP/CP	9004-54-0
124010		Dextran D10 (MW 10000), USP/EP/BP/CP	9004-54-0
124011		Dextran D11 (MW 11000), USP/EP/BP/CP	9004-54-0
124020		Dextran D20 (MW 20000), USP/EP/BP/CP	9004-54-0
124040		Dextran D40 (MW 40000), USP/EP/BP/CP	9004-54-0
124050		Dextran D50 (MW 50000), USP/EP/BP/CP	9004-54-0

124060		Dextran D60 (MW 60000), USP/EP/BP/CP	9004-54-0
124070		Dextran D70 (MW 70000), USP/EP/BP/CP	9004-54-0
124150		Dextran D150 (MW 150000), USP/EP/BP/CP	9004-54-0
124500		Dextran D500 (MW 500000), USP/EP/BP/CP	9004-54-0
184005	DSS	Dextran Sulfate, Na (MW 5000), USP/EP/BP/CP	9011-18-1
184040	DSS	Dextran Sulfate, Na (MW 40000), USP/EP/BP/CP	9011-18-1
195210	DSS	Dextran Sulfate, Na (MW 36000-50000)	9011-18-1
184050	DSS	Dextran Sulfate, Na (MW 50000), USP/EP/BP/CP	9011-18-1
184150	DSS	Dextran Sulfate, Na (MW 150000), USP/EP/BP/CP	9011-18-1
184500	DSS	Dextran Sulfate, Na (MW 500000), USP/EP/BP/CP	9011-18-1
117221		Carboxymethylcellulose sodium, USP/EP/BP/CP	9004-32-4
117225		Cellulose Methyl, USP/EP/BP/CP	9004-67-5
117401		Cellulose Microcrystallin, USP/EP/BP/CP	9004-34-6
117382		Hydroxypropyl cellulose G	9004-64-2
117383	HD-M	Hydroxypropyl cellulose HD-M	9004-64-2
117381	LF	Hydroxypropyl cellulose LF	9004-64-2
117389		Hydroxypropyl Methyl Cellulose, HPMC	9004-65-3
117384		Low-substituted Hydroxypropyl Cellulose	9004-64-2
188130		1,2,3-Triacetyl-5-deoxy-D-ribose	62211-93-2
131656		1,2:5,6-Di-O-isopropylidene-alpha-D-allofuranose	2595-05-3
131657		1,2:5,6-Di-O-isopropylidene-alpha-D-glucofuranose	582-52-5
124230		2-Deoxy-D-ribose	533-67-5
100315		Tetraacetylribofuranose, >98.0%	13035-61-5
189161		Acarbose, >99.0%	56180-94-0
152350		D-(+)-Mannose, >99.0%	3458-28-4
186161		D-(+)-Xylose, >99.0%	58-86-6
139990		D-(-)-Fructose, >99.0%	57-48-7
107861		D-Arabinose, >98.5%	28697-53-2
107865		L-Arabinose, >99.0%	87-72-9
136150		D-(-)-Erythrose	583-50-6
195211		Calcium-D-arabinoate, >99.0%	22373-09-7
140510		D-Galactose, >99.0%	59-23-4
141244		Chitosan, >99.0%	9012-76-4
195212		Chitooligosaccharides	
141221		D-Glucosamine hydrochloride, >99.0%	66-84-2
141223		D-Glucosamine potassium Sulfate, >99.0%	31284-96-5
195213		D-Glucosamine sodium Sulfate, >99.0%	
100690		N-Acetyl-D-glucosamine, >99.0%	7512-17-6
188550		N-Acetyl-D-Mannosamine, >99.0%	7772-94-3
195214		2-Deoxy-D-arabino-hexose, >99.0%	154-17-6
195215		2-Deoxy-D-galactose; Deoxygalactose, >97.0%	1949-89-9

172310		D-Ribose, >99.0%	50-69-1
195216		L-Ribose, >98.0%	24259-59-4
195217		D-Allose, >98.0%	2595-97-3
195218		D-Tagatose, >99.0%	87-81-0
140200		L-Fucose, >99.0%	2438-80-4
195219		D-Fucose, >98.0%	3615-37-0
186165		D-Xylitol, >98.0% , USP/EP/BP/CP	87-99-0
140193		Fucoidan, >99.0%	9072-19-9
141261		Glucose anhydroses, >99.0%	50-99-7
171945		L-Rhamnose, >99.5%	10030-85-0
152041		Maltose, >99.0%	6363-53-7
195220		Panose, >99.0%	33401-87-5
171352		Raffinose pentahydrate 98% , >98%	6227-50-5
FA7703		Stevioside, >98%	57817-89-7
177596		Sucralose, ≥98.5%	56038-13-2
177590		Sucrose, >99.0%	57-50-1
182273		Trehalose dihydrate, >99.5%	6138-23-4
188870		Voglibose, >99.0%	83480-29-9
102897		Laminaria, >99.0%	9008-22-4
171356		Melibiose, >99.0%	585-99-9
177121		Stachyose hydrate, >99.0%	54261-98-2
B21224		D-Turanose, >98%	547-25-1
152650		Melezitose, >99.0%	10030-67-8
137021		Urethane; Ethyl carbamate, >99.0%	51-79-6
188163		IMO 900 syrup, >99.0%	499-40-1
188161		Isomaltotriose, >99.0%	3371-50-4
140006	FDP	D-Fructose-1,6-bis(dihydrogen phosphate), >99.0%	488-69-7
195221		D-Fructose-1,6-biphosphate magnesium salt, >95.0%	
195222		D-Fructose-1,6-biphosphate trisodium salt octahydrate, >98.0%	38099-82-0
195223		D-Fructose-1,6-biphosphate calcium salt, >95.0%	103213-33-8
195224		4-O-beta-D-galactopyranosyl-D-gluconic acid, >98.0%	96-82-2
195225		Calcium lactobionate, >99.0%	110638-68-1
195226		Sodium lactobionate, >99.0%	27297-39-8
195227		D-(+)-Cellobiose, >99.0%	528-50-7
195228		L-Threonic acid calcium salt, >99.0%	70753-61-6
195229		L-Threonic acid magnesium salt; MgT, >99.0%	778571-57-6
195230		1-O-Methyl-alpha-D-galactopyranoside, >98.0%	93302-26-2
155097		1-O-Methyl-alpha-D-mannopyranoside, >98.0%	617-04-9
195231		Maltitol, >98%	585-88-6
195232		Sorbitol, >98%	50-70-4
195233		Erythritol, >99.0%	149-32-6

195234		Isomaltitol, >98.0%	534-73-6
195235		Galactitol (Dulcitol), >98.0%	608-66-2
195236		Chitobiose standard, 98% (HPLC)	35061-50-8
195237		Chitotriose standard, 96% (HPLC)	38864-21-0
195238		Chitotetraose standard, 97% (HPLC)	2706-65-2
195239		Chitopentaose standard, 82% (HPLC)	36467-68-2
195240		Chitohexaose standard, 74% (HPLC)	6734-92-5
195241		Xylobiose standard, 98% (HPLC)	49694-20-4
195242		Xylotriose standard, 98% (HPLC)	22416-58-6
195243		Xylotetraose standard, 98% (HPLC)	47592-59-6
195244		Xylopentaose standard, 98% (HPLC)	6860-47-5
195245		Xylo-oligosaccharides	
100952	NANA/Neu5Ac	N-Acetylneuraminic acid, >99.0%	131-48-6
195246	NGNA/Neu5Gc	N-Glycolylneuraminic acid, >95.0%	1113-83-3
195247		N-Acetylneuraminic acid methyl ester, >98.0%	50998-13-5
195248		N-Acetyl-D-mannosamine, >98.0%	7772-94-3
195249		D-Mannosamine hydrochloride, >98.0%	5505-63-5

**Buffer**

Code	Abbr.	Product	CAS
100130	ACES	ACES, >99.0%	7365-82-4
100181	ADA	ADA, >99.0%	26239-55-4
100186	ADA.Na	ADA.Na, >99.0%	7415-22-7
100187	ADA.2Na	ADA.2Na, >99.0%	41689-31-0
111821	BES	BES, >99.0%	10191-18-1
111826	BES.Na	BES.Na, >99.0%	66992-27-6
111830	Bicine	Bicine, >99.0%	150-25-4
184005	Bis-tris	Bis-tris, >99.0%	6976-37-0
188826	BIS-TRISP	1,3-Bis[tris(hydroxymethyl)methylamino]propane, >99.0%	64431-96-5
122743	CAPS	CAPS, >99.0%	1135-40-6
122745	CAPSO	CAPSO, >99.0%	73463-39-5
122747	CAPSO.Na	CAPSO.Na, >99.0%	102601-34-3
122435	CHES	CHES, >99.0%	103-47-9
S19038	DIPSO	DIPSO, >99.0%	68399-80-4
S19039	DIPSO.Na	DIPSO.Na, >99.0%	102783-62-0
S19040	HEPBS	HEPBS, >99.0%	161308-36-7
145570	HEPES	HEPES (Free acid), >99.0%	7365-45-9
157384	HEPES.1/2Na	HEPES (Sodium salt, 1/2Na), >99.0%	103404-87-1
157385	HEPES.1Na	HEPES (Sodium salt, 1Na), >99.0%	75277-39-3
145575	HEPPS	HEPPS (EPPS), >99.0%	16052-06-5
145577	HEPPSO	HEPPSO, >99.0%	68399-78-0
145579	HEPPSO.Na	HEPPSO.Na, >99.0%	89648-37-3
157379	MES	MES, >99.0%	4432-31-9

157376	MES.1/2Na	MES.1/2Na, >99.0%	117961-21-4
157379	MES.H2O	MES.H2O, >99.0%	145224-94-8
157377	MES.K	MES.K, >99.0%	39946-25-3
157378	MES.Na	MES.Na, >99.0%	71119-23-8
157381	MOPS	MOPS (Free acid), >99.0%	1132-61-2
157386	MOPS.1/2Na	MOPS.1/2Na, >99.0%	117961-20-3
ME413	MOPS Na	MOPS Na, >99.0%	71119-22-7
157383	MOPSO	MOPSO (Free acid), >99.0%	68399-77-9
157385	MOPSO.Na	MOPSO (Sodium salt), >99.0%	79803-73-9
166741	PIPES	PIPES (Free acid), >99.0%	5625-37-6
166746	PIPES.Na	PIPES sodium salt, >99.0%	10010-67-0
166747	PIPES.3/2Na	PIPES.1.5Na, >99.0%	100037-69-2
166744	PIPES-Na2	PIPES-Na2, >99.0%	76836-02-7
166748	PIPES.2K	PIPES.2K, >99.0%	108321-27-3
166742	POPSO	POPSO, >99.0%	68189-43-5
114646	POPSO.3/2Na	POPSO.1.5Na, >99.0%	108321-08-0
114647	POPSO.2Na	POPSO.2Na, >99.0%	108321-07-9
184006	TAPS	TAPS (Free acid), >99.0%	29915-38-6
184026	TAPS.Na	TAPS.Na, >99.0%	91000-53-2
184007	TAPSO	TAPSO (Free acid), >99.0%	68399-81-5
184027	TAPSO.Na	TAPSO.Na, >99.0%	105140-25-8
184010	TES	TES (Free acid), >99.0%	7365-44-8
184012	TES.Na	TES (sodium salt), >99.0%	70331-82-7
184030	TRICINE	Tricine, >99.0%	5704-04-1
183994	Tris acetate	Tris acetate, >99.0%	6850-28-8
183995	Tris	Tris base;Tris (hydroxymethyl)aminoethane, >99.0%	77-86-1
183996	Tris	Tris base, crystal, >99.0%	77-86-1
183993	Tris	Tris base, powder, >99.0%	77-86-1
184001	Tris.HCl	Tris-HCl, >99.0%	1185-53-1

#### Quaternary ammonium salt

Code	Abbr.	Product	CAS
113456	083C	Octyltrimethylammonium chloride, >99.0%	10108-86-8
123516	103C	Decyltrimethylammonium chloride, >99.0%	10108-87-9
134966	DTAC	Dodecyltrimethylammonium chloride, >99.0%	112-00-5
179607	TTAC	Tetradecyl trimethyl ammonium chloride, >99.0%	4574-04-3
117901	CTAC	Cetyltrimethylammonium chloride(CTAC), >99.0%	112-02-7
177181	STAC	Trimethyloctadecylammonium chloride, >99.0%	112-03-8
123517	103B	Decyltrimethylammonium bromide, >99.0%	2082-84-0
134964	DTAB	Dodecyltrimethylammonium bromide, >99.0%	1119-94-4
179605	TTAB	Tetradecyl trimethyl ammonium bromide, >99.0%	1119-97-7
117891	CTAB	Cetyl-trimethyl ammonium bromide(CTAB), >99.0%	57-09-0
177185	STAB	Trimethyloctadecylammonium bromide, >99.0%	1120-02-1

134966	DDBAC	Dodecyldimethylbenzylammonium chloride, >99.0%	139-07-1
179601		Benzyltrimethyltetradecylammonium chloride hydrate, >99.0%	139-08-2
134968		Benzyltrimethylhexadecylammonium chloride, >99.0%	122-18-9
177187		Stearyltrimethylbenzylammonium chloride, >99.0%	122-19-0
134976	EDDAB	Dodecylethyltrimethylammonium bromide, >99.0%	68207-00-1
113162		Cetyl dimethyl ethyl ammonium bromide, >99.0%	124-03-8
113106	BETAB	(2-Bromoethyl)trimethylammonium bromide, >99.0%	2758-06-7
113107	BPTAB	(3-Bromopropyl)trimethylammonium bromide, >99.0%	3779-42-8
111816	DDAB	Didecyldimethylammonium bromide, >99.0%	2390-68-3
111817	DDAB	Didodecyldimethylammonium bromide, >99.0%	3282-73-3
111818	DCAB	Dihexadecyldimethylammonium bromide, >99.0%	70755-47-4
111819	DSAB	Dimethyloctadecylammonium bromide, >99.0%	3700-67-2
131915	SDDAB	N-Dodecyl-N, N-dimethyl-3-ammonio-1-propanesulfonate, >99.0%	14933-08-5
131916	STDAB	3-(N, N-Dimethylmyristylammonio) propane sulfonate, >99.0%	14933-09-6
131917	SHDAB	3-(N, N-Dimethylpalmitylammonio)propanesulfonate, >99.0%	2281-11-0
132426	STSAC	Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride, >99.0%	27668-52-6
195250		Trimethyloctylammonium chloride; n-Octyltrimethylammonium chloride, >99.0%	10108-86-8
195251		3-(Trimethoxysilyl)propyl]octadecyl dimethyl ammonium chloride	27668-52-6

**Vitamin**

Code	Product	CAS
185731	Vitamin A, 3300IU/mg	302-79-4
185733	Vitamin A alcohol, 3300IU/mg	68-26-8
180541	Vitamin B1 (Thiaminehydrochloride), >98.0%	67-03-8
172181	Vitamin B2 (Riboflavin), >98.0%	83-88-5
159540	Vitamin B3(Nicotinic acid), >98.0%	59-67-6
195445	Niacinamide, >98.5%	98-92-0
101660	Vitamin B4(Adenine), >98.0%	59-67-6
FA3100	Vitamin B5 (Calcium D-pantothenate), >98.0%	137-08-6
170721	Vitamin B6(Pyridoxine hydrochloride), >98.0%	58-56-0
170726	Pyridoxamine dihydrochloride, USP/EP/BP/CP, >98.0%	524-36-7
170701	Pyridoxal-5-phosphate monohydrate, >99.0%	41468-25-1
102767	Pyridoxal Hydrochloride, >99.0%	65-22-5
185750	Vitamin B12(Cobamide), >99.0%	68-19-9
108341	Vitamin C(L-Ascorbic acid), >99.0%	50-81-7
185781	Vitamin E(D-alpha-Tocopherol), >98.0%	59-02-9
185790	Vitamin E(D-alpha-Tocopherol), >99.0%	59-02-9
111531	Vitamin H (D-Biotin), >99.0%	58-85-5
185821	Vitamin K1, >99.0%	84-80-0.
1858343	Vitamin K2(20), 0.13% powder	863-61-6
1858341	Vitamin K2(20), 1.3% powder	863-61-6
1858345	Vitamin K2(20), 98% powder	863-61-6
1858344	Vitamin K2(20), 0.13% oil	863-61-6
1858342	Vitamin K2(20), 1.3% oil	863-61-6



1858340	Vitamin K2(20), 98% oil	863-61-6
1858373	Vitamin K2(35), 0.13% powder	2124-57-4
1858371	Vitamin K2(35), 1.3% powder	2124-57-4
18583731	Vitamin K2(35), 0.1% powder	2124-57-4
1858375	Vitamin K2(35), 1.0% powder	2124-57-4
18583751	Vitamin K2(35), 1.0% powder (CaHPO4)	2124-57-4
185838	Vitamin K2(45)r, 98% powder	2124-57-4
185834	Vitamin K2(20),	863-61-6
1858343	Vitamin K2(20),	863-61-6
185835	Vitamin K2(35),	2124-57-4
1858373	Vitamin K2(35) 0.13% , 0.0013	2124-57-4
185838	Vitamin K2(45),	523-39-7
185832	Vitamin K3, >97.0%	58-27-5
185841	Vitamin K4, >99.0%	573-20-6
101725	Vitamin M(Folic acid ), >98.0%	59-30-3
142009	L-alpha-Glycerophosphoryl choline liquid, USP/EP/BP/CP	28319-77-9
142008	L-alpha-Glycerophosphoryl choline powder, USP/EP/BP/CP	28319-77-9
195252	Phosphorylcholine chloride, liquid	107-73-3
195253	Phosphorylcholine chloride, powder	107-73-3
195254	Calcium phosphoryl choline chloride	4826-71-5
177078	Nervonic acid; cis-15-Tetracosenic acid, >95.0%	506-37-6

**Amino acids**

Code	Abbr.	Product	CAS
102626	Ala-Gln	Alanyl-glutamine, BR, >99.0%	39537-23-0
142210	Gly-Gly	Glycylglycine	556-50-3
195255	Gly-Gly-Gly	Diglycylglycine	556-33-2
141710	GSSG	Glutathione oxidized, >98%	27025-41-8
141730	GSH	Glutathione reduced, >98%	70-18-8
142212	Gly-Gln	Glycyl-L-glutamine	13115-71-4
195256	Gln-Trp	Gln-Trp	
195257	Gly-Leu	Gly-Leu	869-19-2
142214		Glycyl-L-tyrosine	658-79-7
195258	Lys-Glu	L-Lysine-L-glutamate	5408-52-6
195259	D-Ala	D-Alanine, >98%	338-69-2
195260	D-Arg·HCl	D-Arginine hydrochloride, >98%	627-75-8
195261	D-Asp	D-Aspartate, >99%	1783-96-6
195262	D-Asp.Ca	Calcium D-aspartate, >98%	
195263	D-Asp.Na	Sodium D-aspartate, >98%	
195264	D-Cys.HCl.H2O	D-Cysteine hydrochloride monohydrate, >98%	207121-46-8
195265	D-Cys.H2O	D-Cysteine monohydrate, >98%	921-01-7
195266	D-Glu	D-Glutamic acid, >98.5%	6893-26-1
195267	D-Gln	D-glutamine, >98%	5959-95-5
195268	D-His	D-Histidine, >99%	351-50-8

195269	D-Lys	D-Lysine, >98%	923-27-3
195270	D-Lys.HCl	D-Lysine hydrochloride, >98%	7274-88-6
195271	D-Phe	D-Phenylalanine, >98%	673-06-3
195272		D-Prolinamide, >98%	62937-45-5
195273	D-Pro	D-Proline, >98%	344-25-2
195274	D-Pyr	D-Pyroglutamic acid, >98%	4042-36-8
173650	D-Ser	D-Serine, >98%	312-84-5
195275		D-Theanine, >98%	
195276	D-Thr	D-Threonine, >98.5%	632-20-2
195277	D-Trp	D-Tryptophan, >98%	153-94-6
195278	D-Tyr	D-Tyrosine, >98%	556-02-5
195279	D-Val	D-Valine, >98%	640-68-6
102621	L-Ala	L-Alanine, >99.5% , BR	56-41-7
107980	L-Arg	L-Arginine, USP/EP/BP/CP, >99.0%	74-79-3
108010	L-Arg. HCl	L-Arginine hydrochloride, >98.5%	1119-34-2
108441	L-Asp	L-Aspartic acid, >99.5%	56-84-8
108442		L-Aspartic acid (Magnesium Salt), >98% (KT)	2068-80-6
108443		Magnesium L-aspartate, >98%	2068-80-6
108445		L-Aspartic acid (Potassium Salt), >99.0%	14007-45-5
108447		L-Aspartic acid sodium, >98%	3792-50-5
108410	L-Asn	L-Asparagine, >99.0%	70-47-3
195280	L-Asn.H2O	L-Asparagine monohydrate, USP/EP/BP/CP	5794-13-8
120812		L-Citrulline, >98%	372-75-8
195281	L-Cys	L-Cysteine, >98%	52-90-4
123115	L-Cys.HCl	L-Cysteine hydroxychloride, >99.0%	7048-04-6
195282		L-Cystine, >98%	56-89-3
141521	L-Glu	L-Glutamic acid, Biotech Grade, >99.0%	56-86-0
141630	L-Gln	L-Glutamine, BR	56-85-9
142021	Gly	Glycine, >99.5%	56-40-6
144490	L-His	L-Histidine, >98%	71-00-1
144510	L-His.HCl	L-Histidine hydrochloride, >98.5%	5934-29-2
148561	L-Ile	L-Isoleucine, >99.0%	73-32-5
150201	L-Leu	L-Leucine, Biotech Grade, >99.0%	61-90-5
195283	L-lys	L-Lysine, Biotech Grade, >99.0%	56-87-1
151223	L-Lys.Ac	L-Lysine acetate, Biotech Grade, >99.0%	57282-49-2
151290	L-Lys.HCl	L-Lysine HCl, USP/EP/BP/CP, >99.5%	657-27-2
153390	L-Met	L-Methionine, Biotech Grade, >99.0%	63-68-3
162563		L-Ornithine, >98%	70-26-8
164681	L-Phe	L-Phenylalanine, >98.5%	63-91-2
169550	L-Pro	L-Proline, >98.5%	147-85-3
170901	L-Pyr	L-Pyroglutamic acid, Biotech Grade, >98.0%	98-79-3
173670	L-Ser	L-Serine, Biotech Grade, >99.0%	56-45-1
100652		L-Theanine, Biotech Grade, >99.0%	3081-61-6

181110	L-Thr	L-Threonine, Biotech Grade, >99.0%	72-19-5
184341	L-Try	L-Tryptophan, Biotech Grade, >99.0%	73-22-3
184621	L-Tyr	L-Tyrosine, Biotech Grade, >99.0%	60-18-4
185270	L-Val	L-Valine, Biotech Grade, >99.0%	72-18-4
102610		DL-Alanine, AJI97	302-72-7
195290	DL-Arg.HCl	DL-Arginine hydrochloride, >98%	32042-43-6
108430		DL-Aspartic acid, High Purity Grade, >99.0%	617-45-8
108436		Magnesium DL-aspartate, Assay(Mg) 6.03~7.0%	7018-07-7
108437		DL-Aspartic acid potassium salt, >98%	923-09-1
195284	DL-Cys. HCl. H2O	DL-Cysteine hydrochloride monohydrate, >98%	96998-61-7
195285	DL-Cys	DL-Cystine, >98%	923-32-0
195286	DL-Glu	DL-Glutamic acid, >98%	617-65-2
195287	DL-Gln	DL-Glutamine, >98%	585-21-7
195288	DL-Leu	DL-leucine, >98%	328-39-2
195289	DL-Met	DL-Methionine, >98%	59-51-8
164670	DL-Phe	DL-Phenylalanine, FCCV	150-30-1
195291	DL-Ser	DL-Serine, >98%	302-84-1
195292	DL-Try	DL-Tryptophan, >98%	1954-12-6
185261		DL-Valine, AJI-92	516-06-3
102615		N-Methyl-DL-alanine, >98%	600-21-5
195293		L-Thioprolin, >98%	34592-47-7
195294	DL-Ala-OEt.HCl	DL-Alanine ethyl ester hydrochloride, >98%	617-27-6
195295	DL-Ala-OMe.HCl	DL-Alanine methyl ester hydrochloride, >98%	13515-97-4
195296	L-Ala-OEt.HCl	L-Alanine ethyl ester hydrochloride, >98%	1115-59-9
195297	L-Ala-OMe.HCl	L-Alanine methyl ester hydrochloride, >98%	2491-20-5
195298	L-Arg-OMe.HCl	L-Arginine ethyl ester hydrochloride, >98%	36589-29-4
195299	L-Asp(OBzl)-OH	L-Aspartic acid 4-benzyl ester, >98%	2177-63-1
195300	L-Cys-OEt.HCl	L-Cysteine ethyl ester hydrochloride, >98%	868-59-7
195301	H-Cys-OMe.HCl	L-Cysteine methyl ester hydrochloride, >98%	18598-63-5
195302	H-Glu(OBzl)-OH	L-Glutamic acid gamma-benzyl ester, >98%	1676-73-9
195303	L-Glu(OMe)-OH	L-Glutamic acid gamma-methyl ester, >98%	1499-55-4
195304	L-Gly-OEt.HCl	Glycine ethyl ester hydrochloride, >98%	623-33-6
195305	L-Gly-OMe.HCl	Glycine methyl ester hydrochloride, >98%	5680-79-5
146070		L-Hydroxyproline, Biotech Grade, >99.0%	51-35-4
195306	L-Leu- OEt.HCl	L-leucinate ethyl ester hydrochloride, >98%	2743-40-0
195307	L-Leu- OMe.HCl	L-Leucinate methyl ester hydrochloride, >98%	7517-19-3
195308		L-Lysine S-(carboxymethyl)-L-cysteine, >98%	49673-81-6
195309	L-Met-OMe.HCl	L-Methionine methyl ester hydrochloride, >98%	2491-18-1
195310	L-Pyr-Oet	L-Pyroglutamic acid ethyl ester, >98%	7149-65-7
195311	L-Pyr-Ome	L-Pyroglutamic acid methyl ester, >98%	4931-66-2
195312	L-Tyr-OEt.HCl	L-Tyrosinate ethyl ester hydrochloride, >98%	4089-07-0
195313	L-Tyr-OMe.HCl	L-Tyrosinate methyl ester hydrochloride, >98%	3417-91-2
195314	L-Tyr-OMe	L-Tyrosine methyl ester, >98%	1080-06-4

195315	H-Val-NH <sub>2</sub> .HCl	L-Valinamide hydrochloride, >98%	3014-80-0
195316	H-β-Ala-OEt.HCl	beta-Alanine ethyl ester hydrochloride, >98%	4244-84-2
195317	H-β-Ala-OMe.HCl	beta-Alanine methyl ester hydrochloride, >98%	3196-73-4
195318	Ac-D-Leu	N-Acetyl-D-leucine, >98%	19764-30-8
195319	Ac-DL-Glu	N-Acetyl-DL-glutamic acid, >98%	5817-08-3
195320	Ac-DL-Leu	N-Acetyl-DL-leucine, >98%	99-15-0
195321	Ac-DL-Met	N-Acetyl-DL-methionine, >98%	1115-47-5
195322	Ac-DL-Trp	N-Acetyl-DL-tryptophan, >98%	87-32-1
195323	Ac-DL-Val	N-Acetyl-DL-valine, >98%	3067-19-4
195324		N-Acetyl-L-citrulline, >98%	33965-42-3
100650	Ac-L-Cys	N-Acetyl-L-cysteine, Biotech Grade, >99.5%	616-91-1
195325	Ac-L-Glu	N-Acetyl-L-glutamic acid, >98%	1188-37-0
100723	Ac-L-Gln	N-Acetyl-L-glutamine, BR, >99.0%	35305-74-9
195326	Ac-L-Gly	N-Acetyl-L-glycine, >98%	543-24-8
195327	Ac-L-Ile	N-Acetyl-L-isoleucine, >98%	3077-46-1
195328	Ac-L-Leu	N-Acetyl-L-leucine, >98%	1188-21-2
195329	Ac-L-Lys	N-Acetyl-L-lysine, >98%	10009-20-8
195330	Ac-L-Met	N-Acetyl-L-methionine, >98%	65-82-7
195331	Ac-L-Phe	N-Acetyl-L-phenylalanine, >98%	2018-61-3
169557	Ac-L-Pro	N-Acetyl-L-proline, >98%	68-95-1
195332		N-Acetyl-L-thioproline, >98%	54323-50-1
195333	Ac-L-Trp	N-Acetyl-L-tryptophan, >98%	1218-34-4
195334	Ac-Tyr-NH <sub>2</sub>	N-Acetyl-L-tyrosinamide, >98%	1948-71-6
195335	Ac-L-Tyr	N-Acetyl-L-tyrosine, >98%	537-55-3
195336	Ac-L-Val	N-Acetyl-L-valine, >98%	96-81-1
195337	N-Me-D-Asp	N-Methyl-D-aspartic acid, >98%	6384-92-5
195338	N-Me-L-Gln	N-Methyl-L-glutamine, >98%	3081-62-7
195339		L-Thioproline, >98%	34592-47-7
102046	SAM	S-Ademetionine	17176-17-9

**Protein and Enzyme**

Code	Abbr.	Product	CAS/Enzyme Code
102730	BSA	Albumin, Bovine, Fraction V, >98.0%	9048-46-8
102735	BSA	Albumin, Bovine, Fraction V, >98.0% (free protease)	9048-46-8
102736	BSA	Albumin, Bovine, Fraction V, >98.0% (free protease, low fatty acid)	9048-46-8
165801		Alkaline phosphatase	
112461		Bromelain, >1.2MIU/g	9001-00-7
116790		Carboxypeptidase B, >170U/mg	9025-24-5
116787		Carboxypeptidase Y, >50U/mg	9246-67-7
C8654		Casein sodium salt	9005-46-3
116985		Catalase, >3KU/mg	9001-05-2
117183		Cellulase, >45U/mg	9012-54-8
120588		Chymostatin	9076-44-2
120587		Chymotrypsinogen A, >1500 U/mg	9035-75-0

121265	Q10	Coenzyme Q10, USP/EP/BP/CP, >98.5%	303-98-0
161789		Defibrase	
124155	DNase I	Deoxyribonuclease I, RNase-free, from Bovine Pancreas	9003-98-9
124161	DNase II	Deoxyribonuclease II, from Porcine Pancreas	9025-64-3
135458		Elastase	39445-21-1
171516		Endoproteinase Asp-N, Sequencing grade	
171616		Endoproteinase Glu-C, Sequencing grade	
171766		Endoproteinase Lys-C, Sequencing grade	
153936		Enterokinase	
144361		Hemicellulase	9025-56-3
144821		Hyaluronidase	37326-33-3
149110		Kallikrein (Kallidinogenase)	9001-01-8
110-00691		Kitalase, from Rhizoctonia solani	N/A
107846		Leupeptin (Acety1-Leu-Leu-Arginal)	103476-89-7
124758		Macerozyme R-10	9032-75-1
120506		Mutarotase (Aldose 1-epimerase)	
159130		Neuraminidase	9001-67-6
162954		Papain, >200U/mg	9001-73-4
163241		Pectinase	9032-75-1
163770		Pepsin 1:3000, >3000 U/mg	9001-75-6
163778		Pepstatin	26305-03-3
169570		Pronase E	
121167		Pyrophosphatase	
172210	RNase A	Ribonuclease A	9001-99-4
172241	RNase H	Ribonuclease H	
171381	RI	Ribonuclease inhibitor	
172212		RNase A, Ribonuclease A	9001-99-4
172250		Ribonuclease T1,	9026-12-4
124150		DNase I (Deoxyribonuclease I), RNase-free	9025-64-3
195340		Ribonuclease (RNase I), >50U/mg	
184667		Snailase	
178736		Sucrose phosphorylase	9074-26-0
178101	SOD	Superoxide dismutase	
183676		Topoisomerase I	
184210		Trypsin 1:250, >250 U/mg	9002-7-7
184230		Trypsin inhibitor, soybean	9035-81-8
184236	UTI	Urinary trypsin inhibitor,	164859-77-2
120581		alpha-Chymotrypsin, 1000 U/mg, USP/EP	9004-07-3
140563		beta-Galactosidase (Lactase)	
135373		Egg albumin, Ovalbumin, BR, 95%	9006-59-1
151330		Lysozyme	12650-88-3
164043	HRP	Peroxidase horseradish, POD, >250U/mg, RZ>3.0	9003-99-0
170290	PRO-K	Proteinase K, >30U/mg	39450-01-6

184212		Trypsin, >2500U/mg	9002-07-7
171401		Rennin, >50000U/g	9001-98-3
195341		Chymotrypsin, >1000/mg	9004-07-3
121292		Collagen, fish skin	
121296		Collagen, fish scale	
121297		Collagen, pig skin	
121295		Collagen, calf skin	
121243		Coenzyme A, free acid, >250u/mg	85-61-0
100616	ACO	Acyl-CoA oxidase, $\geq 30U/mg$ protein	EC 1.3.3.6
100618	ACS	Acyl-CoA synthetase, $\geq 8U/mg$ protein	EC 6.2.1.3
102025	ADA	Adenosine deaminase, 150~200U/mg	EC 3.5.4.4
102025	SAHH	Adenosylhomocysteinase, 700mU/mg	EC 3.3.1.1
108368	ASO	Ascorbate oxidase, $\geq 400U/mg$ protein	EC 1.10.3.3
178588	BOD	Bilirubin oxidase, $\geq 50U/mg$ protein	EC 1.3.3.5
116983	CAT	Catalase	
121955	CHER	Cholesterol esterase,	
121988	CHOD	Cholesterol oxidase	
121977	CRH	Creatinase, $\geq 8U/mg$ protein	EC 3.5.3.3
121955	CR	Creatine amidinohydrolase	
121988	CAH	Creatininase, $\geq 250U/mg$ protein	EC3.5.2.10
121956	CRN	Creatinine amidohydrolase	
140561	GAL	beta-D-galactoside galactohydrolase, $\geq 400U/mg$ protein	EC 3.2.1.23
141336	GOD	Glucose oxidase, $\geq 150U/mg$ protein	EC 1.1.3.4
141336	G6PD	Glucose-6-phosphate dehydrogenase, $\geq 150U/mg$ protein	EC 1.1.1.49
187941	PGM	alpha-D-glucose 1, 6-phosphomutase, $\geq 200U/mg$ protein	EC 5.4.2.2
141927	GLDH	Glutamate dehydrogenase, $\geq 500U/mg$ protein	EC 1.4.1.2
141927	GK	Glycerol kinase, $\geq 250U/mg$ protein	EC 2.7.1.30
144330	H XK	Hexokinase	
145321	HBDH	D-3-Hydroxybutyrate dehydrogenase, $\geq 500U/mg$ protein	EC 1.1.1.30
146250	HSD	3alpha-Hydroxysteroid dehydrogenase, $\geq 50U/mg$ protein	EC 1.1.1.50
149310	LDH	Lactate dehydrogenase, $\geq 400U/mg$ protein	EC 1.1.1.28
150216	LeuDH	Leucine dehydrogenase, $\geq 25U/mg$ protein	EC 1.4.1.9
150558	LPL	Lipoprotein lipase	
151870	MDH	Malate dehydrogenase, $\geq 200U/mg$ protein	EC 1.1.1.37
166112	PNP	Purine-nucleoside phosphorylase, 100~200U/mg	EC 2.4.2.1
170847	PyNP	Pyrimidine-nucleoside phosphorylase,	EC 2.4.2.2
176401	PK	Pyruvate kinase, $\geq 300U/mg$ protein	EC 2.7.1.40
121978	SAO	Sarcosine oxidase, $\geq 8U/mg$ protein	EC 1.5.3.1
185001	Urease	Urease, $\geq 200U/mg$ protein	EC 3.5.1.5
185030	Uricase	Uricase, $\geq 10U/mg$ protein	EC 1.7.3.3
185981	XOD	Xanthine oxidase, $\geq 90U/mg$ protein	EC 1.1.3.22
121183	Thio-NAD	Thio-nicotinamide adenine dinucleotide, $\geq 92\%$	
187910		Cystatin C	

195342		Chitosanase	EC 3.2.1 .132
107841		Aprotinin	9087-70-1
116923	CPP	Casein phosphopeptides	
<b>Nucleotides</b>			
Code	Abbr.	Product	CAS
101661		Adenine, >98.0%	73-24-5
101690		Adenine sulfate, >98.0%	321-30-2
195343		Adenine phosphate, >98.0%	70700-30-0
184890		Uracil, >99.0%	66-22-8
123310		Cytosine, >99.0%	71-30-7
123121		Cytidine, >98.0% , USP/EP/BP/CP	65-46-3
101701		Adenoside, >98.0% , USP/EP/BP/CP	58-61-7
142870		Guanosine, >98.0% , USP/EP/BP/CP	118-00-3
185041		Uridine, >98.0%	58-96-8
195344		Thymidine, >99.0%	50-89-5
147150		Inosine, >99.0%	58-63-9
195345	ATP	Adenosine-5-triphosphate, >95.0%	56-65-5
101950	ATP.2Na	Adenosine-5'-triphosphate disodium salt, >98.0%	987-65-5
123190	CTP	Cytidine-5'-triphosphate	
123192	CTP.2Na	Cytidine-5'-triphosphate, disodium salt	36051-68-0
143050	GTP	GTP	
142987	GTP.2Na	Guanosine-5'-triphosphate sodium salt, >98.0%	56001-37-7
185161	UTP	Uridine 5'-triphosphate trisodium salt dihydrate,	116295-90-0
185153	UTP.3Na	Uridine-5'-triphosphate, trisodium salt, >98.0%	19817-92-6
185162	UTP.4Na	Uridine-5-triphosphate, tetrasodium salt	19817-92-6
147196	ITP.2Na	Inosine-5'-triphosphate disodium salt, >98.0%	352195-40-5
195346	ITP·Na3	Inosine-5'-triphosphate, Trisodium Salt, >96.0%	35908-31-7
195347	ADP	Adenosine-5-diphosphate, >95.0%	58-64-0
195348	ADP.Na	Adenosine-5-diphosphate sodium salt, >98.0%	20398-34-9
101730	ADP.2Na	Adenosine-5-diphosphate disodium salt, >98.0%	16178-48-6
101770	ADP.K	Adenosine-5-diphosphate potassium, >98.0%	72696-48-1
195349	ADP.2K	Adenosine-5-diphosphate dipotassium salt, >98.0%	42373-41-1
101796	ADP.3Li	Adenosine-5-diphosphate trilithium salt, >98.0%	31008-64-7
123130	CDP·Na2	Cytidine-5'-diphosphate, Disodium salt, >98.0%	54394-90-0
195350	CDP·Na3	Cytidine-5'-diphosphate, Trisodium salt, >98.0%	34393-59-4
142921	GDP.2Na	Guanosine-5-diphosphate disodium salt, >98.0%	7415-69-2
195351	UDP.Na	Uridine 5-diphosphate sodium salt	21931-53-3
185070	UDP.2Na	Uridine 5-diphosphate disodium salt, >98.0%	27821-45-0
147165	IDP.2Na	Inosine-5'-diphosphate disodium salt, >98.0%	54735-61-4
195352	IDP·Na3	Inosine 5'-diphosphate, Trisodium salt, >98.0%	71672-86-1
101910	AMP	Adenosine 5-monophosphate monohydrate, free acid, >98.0%	18422-05-4
101901	AMP.2Na	Adenosine-5-monophosphate, disodium, hexahydrate, >98.0%	4578-31-8
195353	CMP·H2	Cytidine-5'-monophosphate, Free acid, >98.0%	63-37-6

195354	CMP·Na2	Cytidine-5'-monophosphate disodium salt, >98.0%	6757-06-8
195355	GMP·Na2	Guanosine-5'-monophosphate disodium, >98.0%	5550-12-9
185110	UMP·2Na	Uridine-5-monophosphate, >98.0%	3387-36-8
195356	IMP·Na2	Inosine-5'-monophosphate, Disodium salt, >98.0%	4691-65-0
195357	Cyclo-CMP	Cytidine 2, 2'-cyclic-5'-monophosphate, >97.0%	39679-56-6
195358	Cyclo-AMP·Na	Adenosine-3', 5'-cyclic monophosphate, Sodium salt, >98.0%	37839-81-9
195359	dAMP	2'-Deoxyadenosine 5'-monophosphate, >98.0%	653-63-4
195360	dAMP·Na2	2'-Deoxyadenosine 5'-monophosphate disodium salt, >98.0%	2922-74-9
195361	dCMP	2'-Deoxycytidine 5'-monophosphate disodium salt, >98.0%	1032-65-1
195362	dCMP·Na2	2'-Deoxycytidine 5'-monophosphate disodium salt, >98.0%	13085-50-2
195363	dGMP·Na2	2'-Deoxyguanosine 5'-monophosphate disodium salt, >98.0%	33430-61-4
195364	dTMP·Na2	2'-Deoxythymidine 5'-monophosphate disodium salt, >98.0%	33430-62-5
195365	dUMP·Na2	2'-Deoxyuridine 5'-monophosphate disodium salt, >99.0%	42155-08-8
195366	dIMP·Na2	2'-Deoxyinosine 5'-monophosphate disodium salt, >99.0%	14999-52-1
195367	dADP·Na3	2'-Deoxyadenosine 5'-diphosphate trisodium, >98.0%	72003-83-9
195368	dCDP·Na3	2'-Deoxycytidine 5'-diphosphate trisodium, >98.0%	151151-32-5
195369	dGDP·Na3	2'-Deoxyguanosine 5'-diphosphate trisodium, >98.0%	102783-74-4
195370	dTDP·Na3	2'-Deoxythymidine-5'-diphosphate trisodium salt, >98.0%	95648-78-5
195371	dIDP·Na3	2'-Deoxyinosine-5'-diphosphate trisodium salt, >98.0%	72003-83-9
123836	dATP	2'-Deoxyadenosine 5'-triphosphate, >98.0%	1927-31-7
123956	dCTP	2'-Deoxycytidine 5'-triphosphate, >98.0%	109909-44-6
195372	dCTP·2Na	2'-Deoxycytidine 5'-triphosphate disodium salt, HPLC approx. 98%	102783-51-7
195373	dGTP	2'-Deoxyguanosine 5'-triphosphate, >98.0%	93919-41-6
124086	dTTP	2'-Deoxythymidine 5'-triphosphate, >98.0%	3624-46-2
195374	dTTP·3Na	2'-Deoxythymidine 5'-triphosphate trisodium salt, >98.0%	18423-43-3
195375	dITP·3Na	2'-Deoxyinosine 5'-triphosphate trisodium salt, >97.0%	95648-77-4
195376	dUTP·3Na	2'-Deoxyuridine 5'-triphosphate trisodium salt, >98.0%	102814-08-4
123781	2'-dA	2'-Deoxyadenosine, >99.0%	16373-93-6
123910	2'-dC	2'-Deoxycytidine, >99.0%	951-77-9
195377	2'-dC.HCl	2'-Deoxycytidine hydrochloride, >99.0%	3992-42-5
124030	2'-dG	2'-Deoxyguanosine, >99.0%	961-07-9
124255	2'-dT	2'-Deoxythymidine, >99.0%	50-89-5
124281	2'-dU	2'-Deoxyuridine, >99.0%	951-78-0
195378	2'-dI	2'-Deoxyinosine, >98.0%	890-38-0
195379	2'-dX	2'-Deoxyxanthosine, >98.0%	29049-22-7
128481	ddA	2',3'-Dideoxyadenosine, >98.0%	4097-22-7
128510	ddC	2',3'-Dideoxycytidine, >98.0%	7481-89-2
128576	ddG	2',3'-Dideoxyguanosine, >98.0%	85326-06-3
124265	ddT	2',3'-Dideoxythymidine, >98.0%	3416-05-5
195380	ddU	2',3'-Dideoxyuridine, >98.0%	5983-09-5
195381		O2, 2-Cycloctidine, >98.0%	10212-25-6
195382		O2,3-Cycloctidine, >98.0%	14486-22-7
195383		O2, 2-Cyclouridine, >99%	3736-77-4



108610		6-Azauracil, >99%	461-89-2
195384		5-Azacytidine	320-67-2
195385		5-Azacytosine	931-86-2
146390		Hypoxanthin (6-Hydroxypurine), >99.0%	68-94-0
195386	AMA	3'-Amino-2',3'-dideoxyadenosine, >99.0%	7403-25-0
195387	AMG	3'-Amino-2',3'-dideoxyguanosine, >99.0%	66323-49-7
195388	AMC	3'-Amino-2',3'-dideoxycytidine, >99.0%	84472-90-2
195389	AMT	3'-Amino-2',3'-dideoxythymidine, >99.0%	52450-18-7
195390	AMI	3'-Amino-2',3'-dideoxyinosine, >99.0%	2140-79-6
101706	2'-O-MOE-A	2'-O-Methoxyethyl adenosine, >98.0%	168427-74-5
123126	2'-O-MOE-C	2'-O-Methoxyethyl cytidine, >98.0%	223777-16-0
142876	2'-O-MOE-G	2'-O-Methoxyethyl guanosine, >98.0%	473278-54-5
185046	2'-O-MOE-U	2'-O-Methoxyethyl uridine, >98.0%	2140-76-3
101707	2'-OMe-A	2'-O-Methyadenosine, >98.0%	2140-79-6
123127	2'-OMe-C	2'-O-Methylcytidine, >98.0%	2140-72-9
142877	2'-OMe-G	2'-O-Methylguanosine, >98.0%	2140-71-8
185047	2'-OMe-U	2'-O-Methyluridine, >98.0%	2140-76-3
195391	2'-OMe-I	2'-O-Methyinosine, >98.0%	3881-21-8
195392	3'-OMe-A	3'-O-Methyadenosine, >98.0%	10300-22-8
195393	3'-OMe-G	3'-O-Methylguanosine, >98.0%	10300-27-3
195394	3'-OMe-I	3'-O-Methyinosine, >98.0%	
195395	3'-OMe-2-NH2-A	3'-O-Methy-2-aminoadenosine, >98.0%	
195396	5-Me-U	5-Methyluridine, >99.0%	1463-10-1
195397	5-Me-2'-dC	5-Methyl-2'-deoxycytidine, >99.0%	838-07-3
195398	5-MedCMP	5-Methyl-2'-deoxycytidine-5'-monophosphate disodium salt, >98.0%	66323-49-7
195399	5-MeUMP.Na2	5-Methyl-uridine-5-monophosphate disodium salt, >98.0%	
195400		5-Methyl-2'-O-methyl-cytidine, >98.0%	113886-70-7
123786	2'-NH2-dA	2'-Amino-2'-deoxyadenosine, >98.0%	10414-81-0
123916	2'-NH2-dC	2'-Amino-2'-deoxycytidine, >98.0%	26889-42-9
124036	2'-NH2-dG	2'-Amino-2'-deoxyguanosine, >98.0%	60966-26-9
124286	2'-NH2-dU	2'-Amino-2'-deoxyuridine, >98.0%	26889-39-4
195401	2'-NH2-dI	2'-Amino-2'-deoxyinosine, >98.0%	75763-51-8
195402	2-NH2-A	2,6-Diaminopurine riboside, >98.0%	2096-10-8
195403	2-NH2-2'-dA	2,6-Diaminopurine 2'-deoxyriboside, >99.0%	4546-70-7
123787	2'-F-2'-dA	2'-Fluoro-2'-deoxyadenosine, >98.0%	64183-27-3
123917	2'-F-2'-dC	2'-Fluoro-2'-deoxycytidine, >98.0%	10212-20-1
124037	2'-F-2'-dG	2'-Fluoro-2'-deoxyguanosine, >98.0%	78842-13-4
139701	2'-F-2'-dU	2'-Fluoro-2'-deoxyuridine, >98.0%	784-71-4
195404	2'-F-2'-dI	2'-Fluoro-2'-deoxyinosine, >98.0%	66323-49-7
195405	5'-F-2'-dU	5'-Fluoro-2'-deoxyuridine, >98.0%	50-91-9
195406	5'-F-2'-dC	5'-Fluoro-2'-deoxycytidine, >98.0%	10356-76-0
139850		5-Fluorouracil, >98.5%	51-21-8
195407		6-Chloropurine 2'-deoxyriboside, >97.0%	4594-45-0

195408		6-Chloropurine riboside, >98.0%	5399-87-1
195409	5-Br-U	5-Bromouridine, >98.0%	957-75-5
195410	8-Br-A	8-Bromoadenoside, >98.0%	2946-39-6
195411	8-Br-G	8-Bromoguanosine, >98.0%	2140-79-6
195412	2'-Br-dU	2'-Bromo-2'-deoxyuridine, >98.0%	72218-68-9
195413	5-Br-2'-dC	5-Bromo-2'-deoxycytidine, >98.0%	1022-79-3
195414	5-Br-2'-dU	5-Bromo-2'-deoxyuridine, >98.0%	59-14-3
195415	8-Br-2'dA	8-Bromo-2'-deoxyadenoside, >98.0%	14985-44-5
195416	8-Br-2'-dG	8-Bromo-2'-deoxyguanosine, >98.0%	
195417	5-BrUMP.Na2	5-Bromo-uridine-5-monophosphate disodium salt, >98.0%	
195418	5-BrdUMP	5-Bromo-2'-deoxyuridine-5'-monophosphate, >98.0%	51432-32-7
123918	5-IC	5-Iodo-cytidine, >99.0%	1147-23-5
139706	5-IU	5-Iodo-uridine, >99.0%	1024-99-3
123918	5-I-2'-dC	5-Iodo-deoxycytidine, >99.0%	611-53-0
147441	5-I-2'-dU	5-Iodo-deoxyuridine, >99.0%	54-42-2
195419	5-Hydroxyl-U.MP.Na2	5-Hydroxyl-uridine-5-monophosphate disodium salt	
165996		6-FAM-phosphoramidite	204697-37-0
167486	Poly I	Polyinosinic acid	30918-54-8
167066	Poly C	Polycytidylic acid	24939-03-5
166936	Poly A	Polyadenosinic acid	
167696	Poly U	Polyuridylic acid	
101710	cAMP	Adenosine 3',5'-phosphate, >98.0%	60-92-4
142896	cGMP	3'-5'-Cyclic guanosine monophosphate	40732-48-7
157321	DB-cAMP	N6, 2'-O-Dibutry-3',5'-monophosphate-Cyclic-calcium	
185086	UDP-G	Uridine-5'-diphosphate glucose	
123141	CDPC	Citicoline Sodium	33818-15-4
195420	Ara-A	Adenine 9-beta-D-arabinofuranoside, >99.0%	5536-17-4
195421	Ara-C	Cytosine beta-D-arabinofuranoside, >99.0%	147-94-4
195422	Ara-U	Uracil 1-beta-D-arabinofuranoside, >99.0%	3083-77-0
195423	Ara-I	Hypoxanthine 9-beta-D-arabinofuranoside, >99.0%	7013-16-3
195424	Ara-AMP	Vidarabine monophosphate, >98.0%	29984-33-6
195425	Ara-CMP	Cytarabine monophosphate, >99.0%	7075-11-8

**Surface active agent/Denaturant/Emulsifier/Preservative/Humectant**

Code	Abbr.	Product	CAS
142792		Guanidine hydrochloride	50-01-1
142821		Guanidine thiocyanate	593-84-0
175583	SDS	Sodium dodecyl sulfate, >99.5%	151-21-3
135461		4, 4', 5, 5', 6, 6'-Hexahydroxydiphenic acid, BR, >99.0%	476-66-4
105121	AMP Buffer	2-Amino-2-methyl-1-propanol	124-68-5
105110	AMPD	2-Amino-2-methyl-1,3-propanediol	115-69-5
105115		2-Amino-2-ethyl-1,3-propanediol	115-70-8
184970		Urea	57-13-6
112190		Biuret	108-19-0

133110		1,3-Dimethylurea	96-31-1
152790		2-Mercaptoethanol, AR	60-24-2
136341		Hydroxy urea, >98.0%	127-07-1
151160		Formamide, >99.5	1975-12-7
131961	DMF	N, N-Dimethylformamide	1968-12-2
129621	DEPC	Diethyl pyrocarbonate	1609-47-8
174278	PMSF	Phenylmethanesulfonyl fluoride	329-98-6
146261		N-Hydroxysuccinimide, High Purity Grade, >98.0%	6066-82-6
220201	CHAPS	3-((3-Cholamidopropyl)dimethylammonium)-1-propane sulfonate, >99.0%	75621-03-3
168829	CHAPSO	3-[(3-Cholamidopropyl)dimethylammonio]-2-hydroxy- 1-propanesulfonate,	82473-24-3
146710		Imidazole, >99.5%	288-32-4
152310		D-Mannitol, >99.0%	69-65-8
172850		Biosgenin, >99.9.0%	8047-15-2
119952		Cholic acid, >98.0%	81-25-4
175361		Sodium cholate, >98.0%	361-09-1
123881		Deoxycholic acid, >98.0%	83-44-3
123883		Deoxycholic acid sodium salt, >98.0%	302-95-4
123701		Dehydrocholic acid, >98.0%	81-23-2
123703		Sodium dehydrocholate, >98.0%	145-41-5
162126		Octyl beta-D-glucopyranoside, >98.0%	29836-26-8
134701	DTT	Di-1, 4-dithiothreitol, >99%	3483-12-3
134708	DTE	1, 4-Dithioerythritol, >99%	6892-68-8
112370		AEO B-35, >99.0%	9002-92-0
112382		AEO B-58, >99.0%	9004-95-9
184081		OPTX-100, >99.0%	9002-93-1
195426		OPTX-102, >98.0%	9002-93-1
195427		OPTX-104, >98.0%	9002-93-1
195428		OPTX-114, >98.0%	9036-19-5
195429		OPTX-405, >98.0%	9036-19-5
184490		Polysorbate 20, AR	9005-64-5
195430		Polysorbate 40, AR	9005-66-7
195431		Polysorbate 60, AR	9005-67-8
184541		Polysorbate 80, USP/EP/BP/CP	9005-65-6
195432		Emulsifier S20 (Sorbitan laurate), BR	1338-39-2
195433		Emulsifier S40 (Sorbitan palmitate), BR	26266-57-9
195434		Emulsifier S60 (Sorbitan stearate), BR	1338-41-6
195435		Emulsifier S65 (Sorbitan tristearate), BR	26658-19-5
195436		Emulsifier S80 (Sorbitan oleate), BR	1338-43-8
195437		Emulsifier S85 (Sorbitan trioleate), BR	26266-58-0
G7765		Gelatin, >99.5%	9000-70-8
141821		Glycerol, >99.9%	56-81-5
184978		Urea hydrogen peroxide, >98%	124-43-6
137793		Methyl p-hydroxybenzoate, >98%	99-76-3

137790		Ethyl p-hydroxybenzoate, >98%	120-47-8
170010		Propyl p-hydroxybenzoate, >98%	94-13-3
195438		Buthyl p-hydroxybenzoate, >98%	94-26-8
195439		Sodium methyl p-hydroxybenzoate, >98%	5026-62-0
195440		Sodium ethyl p-hydroxybenzoate, >98%	35285-68-8
195441		Sodium propyl p-hydroxybenzoate, >98%	35285-69-9
195442		Sodium buthyl p-hydroxybenzoate, >98%	36457-20-2
141671		Glutaraldehyde, >99.0%	111-30-8
131945		Preservative PC 300, Biotech	97-59-6
175030	NaN <sub>3</sub>	Sodium azide, Biotech	26628-22-8
113408	BRONOPOL	2-Bromo-2-nitro-1,3-propanediol, Biotech	52-51-7
165036	AEBSF	4-(2-Aminoethyl)-benzenesulfonyl fluoride hydrochloride	30827-99-7
131943		Fungicide R-2000, Biotech	N/A
161681		NP-40, >99.0%	9016-45-9
161685		NP-70, >99.0%	9016-45-9
191021		Antifoam OED60K	
191022		Antifoam OED24K	
122468		Protein protectant AEP-HBC, AR	N/A
163808		Protein protectant GH, Protein content, >95.0%	N/A
163805		Protein protectant TY, Protein content, >92.0%	N/A
105559		Protein protectant HPD	N/A
105546		Enzyme protectant ADP, pH 9-12	N/A
105547		Enzyme protectant AFP	N/A
105552		Enzyme protectant HP	N/A
105553		Enzyme protectant MP	N/A
105554		Enzyme stabilizer AES	N/A
105543		Enzyme stabilizer DPD	N/A
105541		Enzyme stabilizer, AR	N/A
105548		Substrates stabilizer CCD	N/A
105549		Substrates stabilizer PPCD	N/A
116968		Stability HE50	N/A

### Separating medium

Code	Abbr.	Product	CAS
173210		Dextran Gel G-10, Biotech	9050-68-4
173221		Dextran Gel G-15, Biotech	11081-40-6
173230		Dextran Gel G-25, Biotech	9041-35-4
173241		Dextran Gel G-50, Biotech	9048-71-9
173250		Dextran Gel G-75, Biotech	37224-29-6
173261		Dextran Gel G-100, Biotech	9050-94-6
173290		Dextran Gel LH-20, Biotech	9041-37-6
173296		Dextran Gel LH-60, Biotech	9050-94-6
173301		Dextran Gel CM-C25, Biotech	62886-59-3
173321		Dextran Gel DEAE-A25, Biotech	12609-80-2

173321	DEAE Dextran Gel A-25, Biotech	N/A
173330	DEAE Dextran Gel A-50, Biotech	N/A
173366	QAE Dextran Gel A-25, Biotech	N/A
173361	QAE Dextran Gel A-50, Biotech	83382-89-2
173301	CM Dextran Gel C-25, Biotech	N/A
173310	CM Dextran Gel C-50, Biotech	N/A
173381	SP Dextran Gel C-25, Biotech	N/A
173390	SP Dextran Gel C-50, Biotech	N/A
173401	Agarose Gel 2B, Biotech	N/A
173410	Agarose Gel 4B, Biotech	N/A
173421	Agarose Gel 6B, Biotech	N/A
173501	Agarose Gel CL-2B, Biotech	N/A
173510	Agarose Gel CL-4B, Biotech	N/A
173521	Agarose Gel CL-6B, Biotech	N/A
173516	Agarose Gel 4FF, Biotech	N/A
173526	Agarose Gel 6FF, Biotech	N/A
173556	Q Agarose Gel High Performance, Biotech	N/A
173557	SP Agarose Gel High Performance, Biotech	N/A
173558	Agarose Gel Fast Flow, Biotech	N/A
173559	SP Agarose Gel Fast Flow, Biotech	N/A
173566	DEAE Agarose Gel Fast Flow, Biotech	N/A
173536	CM Agarose Gel Fast Flow, Biotech	N/A
173561	DEAE Agarose Gel CL-6B, Biotech	N/A
173530	CM Agarose Gel CL-6B, Biotech	N/A
117306	DEAE Cellulose DE-32, Biotech	9013-34-7
117310	DEAE Cellulose DE-52, Biotech	N/A
195443	Polyamide powder, for column chromatography, Biotech	
195344	Polyamide powder, for TLC, Biotech	
170261	Protein-A, Biotech	N/A
188241	Protein-G, Biotech	
188266	Protein-L, Biotech	N/A
170266	ProteinA-HRP, Biotech	N/A
188272	Streptavidin, Biotech	
170267	Protein-A colloidal gold, Biotech	N/A
173436	ProteinA-Agarose Gel 4B, Biotech	N/A
173621	ProteinA-Agarose Gel CL 6B, Biotech	N/A
170268	ProteinA plate, Biotech	N/A
188267	Protein L-HRP, Biotech	N/A
188268	Protein-L colloidal gold, Biotech	N/A
173626	Protein L-Agarose Gel 4B, Biotech	N/A
173627	Protein L-Agarose Gel CL 6B, Biotech	62610-50-8
188269	ProteinL plate, Biotech	N/A
121370	Concanavalin A (Con A), Biotech	11028-71-0

173550		ConA-Sephrose 6B, Biotech	N/A
149066		Concanamycin A, (Folimycin), Biotech	80890-47-7
167667		Polysucrose 70, Biotech	
195447		Polysucrose 100, Biotech	
195448		Polysucrose 200, Biotech	
167664		Polysucrose 400, Biotech	26873-85-8
195449		Polysucrose 700, Biotech	
195450		Polysucrose 800, Biotech	
167130		PEG 200, >99.0%	25322-68-3
167141		PEG 300, >99.0%	25322-68-3
167150		PEG 400, >99.0%	25322-68-3
167161		PEG 600, >99.0%	25322-68-3
195451		PEG 800, >99.0%	25322-68-3
167211		PEG 1000, >99.0%	25322-68-3
167190		PEG 1500, >99.0%	25322-68-3
167221		PEG 2000, >99.0%	25322-68-3
167228		PEG 3350, >99.0%	25322-68-3
167230		PEG 4000, >99.0%	25322-68-3
167241		PEG 6000, >99.0%	25322-68-3
167245		PEG 8000, >99.0%	25322-68-3
167250		PEG 10000, >99.0%	25322-68-3
167261		PEG 12000, >99.0%	25322-68-3
167281		PEG 20000, >99.0%	25322-68-3
167753	PVP-K30	Polyvinylpyrrolidone-K30, >99.0%	9003-39-8
167755	PVP-K90	Polyvinylpyrrolidone-K90, >99.0%	9003-39-8
103970		Aluminium oxide, activated, basic	1344-28-1

### Plant growth hormone & Insect hormone

Code	Abbr.	Product	CAS
100021	ABA	Absciscic acid S-ABA, >99.0%	21293-29-8
147001	IAA	Indole-3-acetic acid, >99.0%	87-51-4
147021	IBA	Indole-3-butyric acid, >99.0%	133-32-4
147030	IPA	Indole-3-Propionic acid, >99.0%	830-96-6
110390	6-BA	6-Benzylamino purine, >99.0%	1214-39-7
C2635		Chlorocholine chloride, >99.0%	999-81-5
147030	B9	Daminozide, >99.0%	1596-84-5
101552	2,4-D	2,4-Dichlorophenoxy acetic acid, >99.0%	94-75-7
100288	GA3	Gibberellins, Gibberellic acid, >99.0%	77-06-5
141017	GA4+7	Gibberellin(A4+7), >99.0%	468-44-0
140310		6-Furfurylamino Purine, Kinetin, >99.0%	525-79-1
158470	NAA	alpha-Naphthalene acetic acid, >99.0%	86-87-3
195452	PP333	Paclobutrazol, >99.0%	76738-62-0
153854	ZT	trans-Zeatin, >99.0%	1637-39-4
195453		Octenol technical, >98.0%	3391-86-4

195454	Mosquito oviposition pheromone, >95.0%	81792-36-1
195455	z-3-Decen-1-yl acetate, >97.0%	81634-99-3
195456	z-7-Decen-1-yl acetate, >95.0%	13857-03-9
195457	z-5-Decen-1-ol, >97.0%	51652-47-2
195458	z-5-Decen-1-yl acetate, >97.0%	67446-07-5
195459	e,e-8,10-Dodecadien-1-yl acetate, >97.0%	53880-51-6
195460	CM pheromone, >90.0%	33956-49-9
195461	High purity CM pheromone, >97.0%	33956-49-9
195462	z-5-Dodecen-1-yl acetate, >96.0%	16676-96-3
195463	z-7-Dodecen-1-yl acetate, >96.0%	14959-86-5
195464	e-7-Dodecenyl acetate, >98.0%	16695-41-3
195465	z-9-Dodecenyl acetate, >95.0%	16974-11-1
195466	e-9-Dodecenyl acetate, >98.0%	35148-19-7
195467	z-9-Dodecenol, >95.0%	35148-18-6
195468	11-Dodecen-1-yl acetate, >92.0%	35153-10-7
195469	z-8-Dodecenyl acetate, >97.0%	28079-04-1
195470	e-8-Dodecenyl acetate, >98.0%	38363-29-0
195471	z-8-Dodecenol, >97.0%	40642-40-8
195472	(e)-beta-Farnesene, >90.0%	18794-84-8
195473	Grandlure I, >95.0%	30820-22-5
195474	Grandlure II, >98.5%	26532-23-0
195475	e Isomer of Grandlure II, >97.0%	30346-27-1
195476	Grandlure III & IV	
195477	(z)-6-Heneicosen-11-one technical pheromone, >94.0%	54844-65-4
195478	z-11-Hexadecenal technical pheromone, >93.0%	53939-28-9
195479	Gossypure, >90.0% (sum of isomers)	50933-33-0
195480	z-11-Hexadecenyl acetate technical pheromone, >95.0%	34010-21-4
195481	z-11-Hexadecen-1-ol, >95.0%	56683-54-6
195482	e-11-Hexadecen-1-ol, >97.0%	61301-56-2
195483	e-11-Hexadecen-1-yl acetate, >97.0%	56218-72-5
195484	lpsdienol, >93.0%	14434-41-4
195485	lpsenol, >93.0%	60894-96-4
195486	NOW technical pheromone, >90.0%	71317-73-2
195487	z-9-Hexadecenal, >90.0%	56219-04-6
195488	3-Methyl-2-cyclohexenone, >98.0%	1193-18-6
195489	14-Methyl-z-8-hexadecenal, >94.0% (sum of isomers)	60609-53-2
195490	4-Methyl-5-nonanol, >98.0% (sum of isomers)	154170-44-2
195491	4-Methyl-5-nonanone, >98.0%	35900-26-6
195492	z-13-Octadecenal, >94.0%	58594-45-9
195493	z-13-Octadecen-1-yl acetate, >94.0%	60037-58-3
195494	Serricornin, >95.0%	
195495	z-7-Tetradecen-1-yl acetate, >97.0%	16974-10-0
195496	z-9-Tetradecen-1-yl acetate, >95.0%	16725-53-4

195497	e-9-Tetradecen-1-ol, >96.0%	35153-15-2
195498	e-9-Tetradecen-1-yl acetate, >96.0%	23192-82-7
195499	cis-11-Tetradecenyl acetate technical pheromone, >95.0%	20711-10-8
195500	z-11-Tetradecen-1-ol, >95.0%	34010-15-6
195501	trans-11-Tetradecenyl acetate technical pheromone, >95.0% (sum of isomers)	33189-72-9
195502	trans-11-Tetradecenyl acetate technical pheromone, >90.0% (sum of isomers)	33189-72-9
195503	trans-11-Tetradecenyl acetate technical pheromone, >98.0%	33189-72-9
195504	e-11-Tetradecen-1-ol, >90.0%	35153-18-5
195505	e-11-Tetradecen-1-ol, >98.0%	35153-18-5
195506	z-11-Tetradecenal, >93.0%	35237-64-0
195507	e/z-11-Tetradecenal, >95.0% (sum of isomers)	
195508	Indian meal moth technical pheromone, >93.0%	30507-70-1
195509	z, e-9, 12-Tetradecadien-1-ol, >93.0%	51937-00-9
195510	z-9-Tricosene technical pheromone, >94.0%	27519-02-4
195511	TPW technical pheromone, >97.0% (sum of isomers)	
195512	z-4-Tridecen-1-yl acetate, >96.0%	65954-19-0
195513	z-5-Tetradecen-1-yl acetate, >97.0%	35153-13-0
195514	z, e-9, 11-Tetradecadien-1-yl acetate, >92.0%	50767-79-8
195515	e, e-9, 11-Tetradecadienyl acetate technical pheromone, >91.0%	54664-98-1
195516	e, e-9, 11-Tetradecadienyl acetate technical pheromone, >98.0%	54664-98-1
195517	z-7-Tetradecenal, >95.0%	65128-96-3
195518	z-9-Tetradecenal, >95.0%	53939-27-8
195519	z-7-Tetradecen-2-one, >96.0% (sum of isomers)	146955-45-5
195520	z-8-Tetradecen-1-yl acetate, >95.0%	35835-80-4
195521	(s)-cis-Verbenol, >97.0% (sum of isomers)	18881-04-4
195522	Oriental fruit moth pheromone special, >95.5% (sum of isomers)	
195523	PTB technical pheromone	
195524	Grandlure, complete, >95.0% (sum of isomers)	

### Evocating agent

Code	Abbr.	Product	CAS
011-11065	V-50	2,2'-Azobis(2-methylpropionamide) dihydrochloride, >99.0%	2997-92-4
011-19365	VA-044	2,2'-Azobis[2-(2-imidazolin-2-yl)propane] dihydrochloride, >99.0%	27776-21-2

### Enzyme substrate

Code	Abbr.	Product	CAS
140201	CNP-AFU	2-Chloro-4-nitrophenyl-Alpha-L-fucopyranoside, >99.0%	157843-41-9
140205	M-G-CNP-AFU	M-G-CNP-AFU, >98.5%	N/A
160721	PNP-NAG	4-Nitrophenyl-N-acetyl-beta-D-glucosaminide, >99.0%	3459-18-5
141230	CNP-NAG	2-Chloro-4-nitrophenyl-N-acetyl-beta-D-glucosaminide,	103614-82-0
100698	MPT-NAG	6-Methyl-2-pyridinyl-2-(acetylamino)-2-deoxy-1-thio-beta-D- glucopyranoside,	149263-94-5
160816	ONPG	o-Nitrophenyl-beta-D-galactopyranoside, >99.0%	369-07-3
160696	ONPG	o-Nitrophenyl-beta-D-galactopyranoside, >99.0%	2816-24-2
160811	ONPG	o-Nitrophenyl-alpha-D-galactopyranoside, >98.0%	19887-85-5
160681	ONPG	o-Nitrophenyl-beta-D-galactopyranoside, >99.0%	369-07-3



160691	ONPG	o-Nitrophenyl-alpha-D-glucopyranoside, >98.0%	N/A
160726	PNPG	p-Nitrophenyl-beta-D-galactopyranoside, >98.0%	3150-24-1
160712	PNPG	p-Nitrophenyl-beta-D-glucopyranoside, >98.0%	2492-87-7
160716	PNPG	p-Nitrophenyl-alpha-D-galactopyranoside, >98.0%	7493-95-0
160710	PNPG	p-Nitrophenyl-alpha-D-glucopyranoside, >98.0%	3767-28-0
140081	F-1, 6-P2	Fructose-1, 6-diphosphate, trisodium salt	23558-08-9
141370	G-6-P	Glucose-6-phosphate, disodium salt	3671-99-6
141381	G-6-P	D-Glucose 6-phosphate sodium salt	54010-71-8
141270	G-1, 6-P2	Glucose-1, 6-diphosphate, tetra-CHA salt	10139-18-1
147183	5'-IMP	Inosine 5'-monophosphate disodium salt	4691-65-0
176778	PAPP	4-Aminophenylphosphate monosodium salt	75966-16-4
160781	PNPP.2Na	Disodium 4-nitrophenylphosphate, BR, ≥99.0 % (HPLC)	4264-83-9
148941	IPTG	Isopropyl beta-D-1-thiogalactopyranoside, >99.0%	367-93-1
203788	BCIP	5-Bromo-4-chloro-3-indolyl-phosphate disodium salt, >99.0%	102185-33-1
112890	X-Gal	5-Bromo-4-Chloro-3-Indolyl beta-D-galactopyranoside, >98.0%	7240-90-6
112896	X-Glu, X-Glc	5-Bromo-4-chloro-3-indolyl beta-D-glucopyranoside, >99.0%	15548-60-4
112898	X-Gluc	5-Bromo-4-chloro-3-indolyl beta-D-glucuronide cyclohexyl ammonium salt	114162-64-0
112906		5-Bromo-4-chloro-3-indolyl-alpha-D-N-acetylneuraminic acid, >99.0%	265979-52-0
159835	Glupa C	L-Glutamic acid gamma-(3-carboxy-4-nitroanilide) ammonium salt	63699-78-5
159830		H-D-Val-Phe-Lys-pNA-2HCl	74551-31-8
150245	H-Leu-Pna-HCl	L-Leucine p-nitroanilide, hydrochlorid, Assay (HPLC) ≥98.0%	16010-98-3
159841	GPDA	H-Gly-Pro-Pna; Gly-Pro p-nitroanilide p-toluenesulfonate salt	65096-46-0
169541	PLD	Glycyl-L-Proline; Gly-L-Pro	
180120	FAPGG	N-[3-(2-Furyl)acryloyl]-L-phenylalanyl-glycyl-glycine	64967-39-1
CNP-005	Gal-G2-alpha-CNP	Gal-G2-alpha-CNP	
CHNM-70-3821	CNPG3	2-Chloro-4-nitrophenyl maltotrioxide	
60507	N3G5-CNP	2-Chloro-4-nitrophenyl 65-azido-65deoxy-beta-maltopentaoside	
10691747	PNP-G5	4-Nitrophenyl-alpha-D-maltopentaoside	66068-38-0
60501	G5	Maltopentaose	
10691682	PNP-G6	4-Nitrophenyl-alpha-D-maltohexaoside	74173-30-1
10880078	EPS; EPS-PNP-G7	Ethylidene-4-nitrophenyl-alpha-D-maltoheptaoside; 4,6-Ethylidene(G7)-p-nitrophenyl (G1)-alpha, D-maltoheptaoside	96597-16-9
11378872		Benzylidene-4-NP-G7	109055-07-4
BLNM-70-3685	BPNPG7	Blocked p-Nitrophenyl-D-Maltoheptaoside	
11379119	CPRG	Chlorophenolred-beta-D-galactopyranoside	99792-79-7
100696		2-Methoxy-4-(2'-nitrovinyl)phenyl-2-acetamido-2-deoxy-beta- glucopyranoside	70622-74-1
152058	G3	2-Chloro-4-nitrophenyl-O-4,6-O-ethylidene-alpha-D-glucopyranosyl-(1-4)-O-alpha-D-glucopyranosyl-(1-4)-alpha-D-glucopyranoside	199603-68-4
11034618		Chromogenic substrate for Lipase	195833-46-6
195059	ASA III	Arsenazo III	1668-00-4
104421	4-AA	4-Aminoantipyrine, 98.5%	83-07-8
147570	INT	2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyltetrazolium chloride. Iodonitrotetrazolium chloride, >99.0%	146-68-9

T0793	MTT	Thiazoyl blue tetrazolium bromide, >99.0%	298-93-1
180610	MTT	3-(4, 5-Dimethylthiazol-2-yl)-2, 5-diphenyl-2H-tetrazolium bromide, >99.0%	2348-71-2
161350	NBT	Nitro Blue Tetrazolium, >99.0%	298-83-9
164892	OPD	o-Phenylenediamine tablet (5mgOPD/tablet)	95-54-5
164894	OPD	o-Phenylenediamine tablet (2.5mgOPD/tablet)	95-54-5
180090	TMB	3,3',5,5'-Tetramethylbenzidine	54827-17-7
180101	TMB.2HCl	3,3',5,5'-Tetramethylbenzidine dihydrochloride, >99.0% , Advanced	64285-73-0
177970	TMB-PS	N-(3-Sulfopropyl)-3,3',5,5'-tetramethylbenzidine sodium salt, >99.0%	102062-36-2
183861	TTC, RT	2,3,5-Triphenyltetrazolium chloride, >99.0%	298-96-4
161354	XTT	Sodium salt, 2,3-Bis(2-methoxy-4-nitro-5-sulfophenyl)- 2H-tetrazolium-5-carboxanilide inner salt, >99.0%	111072-31-2
181941		Toluidine blue	92-31-9

**More indican**

Code	Abbr.	Product	CAS
175850		Sodium 4-hydroxybenzoate, >99.0%	114-63-6
112896	X-GLUC	5-Bromo-4-chloro-3-indolyl-beta-D-glucuronic acid, Sodium Salt, >99.0%	129541-41-9
123350	DANCI	5-Dimethylamino-1-naphthalenesulfonyl chloride, >99.0%	605-65-2
KY2003A		GeneFindr <sup>™</sup> , >99.0%	
104961	AEC	3-Amino-9-Ethylcarbazole, >99.0%	132-32-1
119221	4Cl1N	4-Chloro-1-naphthol, >99.0%	604-44-4
111583	BCA	2, 2-Biquinoline-4, 4-dicarboxylic acid disodium salt, >99.0%	979-88-4
125312	DAB	3, 3'-Diaminobenzidine, >98.0% (NT)	7411-49-6
101616	AMPPD	3-(2'-Spiroadamantane)-4-methoxy-4-(3"-phosphoryloxy)phenyl-1,2-dioxetane; 3-(4-Methoxyspiro(1,2-dioxetane-3, 2'-tricyclo(3.3.1.1(3, 7))decan-4-yl)phenyl phosphate, >99.0%	122341-56-4
112910		5-Bromo-4-chloro-3-indolyl acetate, >99.0%	3252-36-6
112916		5-Bromo-4-chloro-3-indolyl octanoate, >99.0%	129541-42-0
112917		5-Bromo-6-chloro-3-indolyl caprylate, >99.0%	209347-94-4
105436	ABEI	N-(4-Aminobutyl)-N-ethylisoluminol, >99.0%	66612-29-1
195525		Rhodamine B isothiocyanate	
139401		Fluorescamine, >99.0%	38183-12-9
180361	BT or TB	Tetrazolium Blue chloride, >99.0%	1871-22-3
182066	CTC	5-Cyano-2,3-ditolyl tetrazolium chloride, >99.0%	90217-02-0
159110	Neo-BT	Neotetrazolium chloride, >99.0%	298-95-3
180230	TNBT	Tetranitroblue tetrazolium chloride, >99.0%	1184-43-6
180357	TV	Tetrazolium Violet, >99.0%	1719-71-7
150849-1	WST-1	2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-(2,4-disulfophenyl)-2H- tetrazolium, monosodium salt, >99.0%	150849-52-8
150849-3	WST-3	2-(4-Iodophenyl)-3-(2,4-dinitrophenyl)-5-(2,4-disulfophenyl)-2H- tetrazolium, monosodium salt, >99.0%	161617-45-4
150849-4	WST-4	2-Benzothiazolyl-3-(4-carboxy-2-methoxyphenyl)-5-[4-(2-sulfoethylcarbamoyl)phenyl]- 2H-tetrazolium, >99.0%	178925-54-7
150849-5	WST-5	2, 2'-Dibenzothiazolyl-5, 5'-bis[4-di(2-sulfoethyl) carbamoyl phenyl] -3, 3'-(3, 3'-dimethoxy-4, 4'-biphenylene) ditetrazolium, disodium salt, >99.0%	178925-55-8
150849-8	WST-8	WST-8, >99.0%	193149-74-5
150849-9	WST-9	2-(4-Nitrophenyl)-5-phenyl-3-[4-(4-sulfophenylazo)-2-sulfophenyl]- 2H-tetrazolium,	

		monosodium salt, >99.0%	
150849-10	WST-10	2, 5-di-(4-nitrophenyl)-3-[4-(4-sulfophenylazo)-2-sulfophenyl]-2H-tetrazolium, monosodium salt, >99.0%	
150849-11	WST-11	2-(4-Nitrophenyl)-5-(2-sulfophenyl)-3-[4-(4-sulfophenylazo)-2-sulfophenyl]-2H-tetrazolium, disodium salt, >99.0%	
154637	AMC	7-Amino-4-methylcoumarin, >99.0%	26093-31-2
154935	BBD	4-Benzylamino-7-nitrobenzofurazan, >99.0%	18378-20-6
154936	NBD-PZ	4-Nitro-7-piperazinobenzofurazan, >99.0%	139332-66-4
154937	NBD hydrazine	4-Hydrazino-7-nitrobenzofurazan, >99.0%	90421-78-6
154938	NBD-Cl	4-Chloro-7-nitrobenzofurazan, >99.0%	10199-89-0
154939	NBD-F	4-Fluoro-7-nitrobenzofurazan, >99.0%	29270-56-2
101221	ATEE	Ethyl N-acetyl-L-tyrosinate hydrate, >99.0%	36546-50-6
110181	BAEE	Ethyl N-benzoyl-L-argininate hydrochloride, >99.0%	2645-08-1
110201	BAPNA	N-Benzoyl-DL-arginine-4-nitroanilide hydrochloride, >99.0%	911-77-3
182166	TAME.HCl	N-4-Tosyl-L-Arginine methyl ester hydrochloride; Tos-Arg-OMe-HCl, >99.0%	1784-03-8
195526		2-Acetamido-4,6-O-benzylidene-2-deoxy-D-galactopyranoside, >98.0%	420118-03-2
195527		2-Acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside azide, >98.0%	6205-69-2
195528		2-O-Acetyl-3,4,6-tri-O-benzyl-alpha-D-glucopyranosyl trichloroacetimidate, >98.0%	
195529		2-O-Acetyl-3,4,6-tri-O-benzyl-beta-D-glucopyranosyl trichloroacetimidate, >98.0%	
195530		6-O-Acetyl-2,3,4-tri-O-benzoyl-D-mannopyranose, >98.0%	
195531		Allyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	54400-77-0
195532		Allyl-2-acetamido-2-deoxy-alpha-D-glucopyranoside, >98.0%	55400-75-8
195533		Allyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	28738-44-5
195534		Allyl-alpha-D-galactopyranoside, >98.0%	48149-72-0
195535		Allyl-beta-galactopyranoside, >98.0%	2595-07-5
195536		Allyl-alpha-D-glucopyranoside, >98.0%	7464-56-4
195537		Allyl-2,3,4-tri-O-benzyl-alpha-D-galactopyranoside, >98.0%	
195538		Allyl-2,3,4-tri-O-benzyl-alpha-D-glucopyranoside, >98.0%	6207-45-0
195539		Allyl-2,3,4-tri-O-benzyl-alpha-L-fucopyranoside, >98.0%	
195540		Allyl-4,6-O-benzylidene-alpha-D-glucopyranoside, >98.0%	20746-64-9
195541		Allyl-2,3,4,6-tetra-O-acetyl-beta-D-glucopyranoside, >98.0%	10343-15-4
195542		Allyl-2,3,4,6-tetra-O-benzoyl-alpha-D-glucopyranoside, >98.0%	6027-45-0
195543		Allyl-2,3,4-tetra-O-benzoyl-alpha-L-fucopyranoside, >98.0%	
195544		Allyl-2,3-di-O-benzyl-alpha-D-glucopyranoside, >98.0%	87326-32-7
195545		Allyl-2,3-di-O-benzyl-beta-D-glucopyranoside, >98.0%	84218-68-8
195546		Allyl-D-glucuronate, >98.0%	188717-04-6
195547		4-Aminophenyl-beta-D-thioglucopyranoside, >98.0%	58737-22-7
195548		4-Aminophenyl-beta-D-thiomannopyranoside, >98.0%	129970-93-0
195549		Amyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	94483-64-4
195550		Amyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	146288-30-4
195551		1, 6-Anhydro-2,3,4-tri-O-benzoyl-D-glucopyranose, >98.0%	
195552		1, 6-Anhydro-D-glucopyranose, >98.0%	498-07-7
195553		1-Azido-1-deoxy-beta-D-galactopyranoside, >98.0%	35899-89-9
195554		2-Azido-2-deoxy-D-galactose, >98.0%	68733-26-6

195555	2-Azido-2-deoxy-D-glucose, >98.0%	56883-39-7
195556	2-Azido-2-deoxy-1,3,4,6-tetra-O-acetyl-alpha-D-galactopyranose, >98.0%	
195557	2-Azido-2-deoxy-1,3,4,6-tetra-O-acetyl-alpha-D-glucopyranose, >98.0%	
195558	2-Azido-2-deoxy-3,4,6-tri-O-acetyl-beta-D-galactopyranosyl trichloroacetimidate, >98.0%	
195559	4-Aminophenyl-beta-D-galactopyranoside, >98.0%	5094-33-7
195560	4-Aminophenyl-beta-D-glucopyranoside, >98.0%	20818-25-1
195561	4-Aminophenyl-beta-D-fucopyranoside, >98.0%	69936-58-9
195562	O-(2-Acetamido-2-deoxy-D-glucopyranosylidene)amino N-phenyl carbamate, >98.0%	132489-69-1
195563	5-Acetamidofluorescein-di-(beta-D-galactopyranoside), >98.0%	216299-45-5
195564	X-N-Acetylneuraminic acid, >98.0%	
195565	N-(12-Aminododecyl)-1-deoxynojirimycin, >98.0%	885484-41-3
195566	4-Aminophenyl alpha-D-glucopyranoside, >98.0%	31302-52-0
195567	4-Aminophenyl beta-D-cellobioside, >98.0%	42935-24-0
195568	4-Aminophenyl beta-D-lactopyranoside, >98.0%	17691-02-0
195569	Arbutin, >98.0%	497-76-7
195570	4-Aminophenyl--D-thiogalactopyranoside, >98.0%	29558-05-2
195571	4,6-O-Benzylidene-D-galactose, >98.0%	3006-41-5
195572	4,6-O-Benzylidene-D-glucose, >98.0%	30688-66-5
195573	Benzyl-2-acetamido-2-deoxy-3,4,6-tri-O-acetyl-alpha-D-glucopyranoside, >98.0%	
195574	Butyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	155197-37-8
195575	Butyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	94536-37-5
195576	Butyl-alpha-D-glucopyranoside, >98.0%	25320-93-8
195577	Benzyl-2,3,4,6-tetra-O-acetyl-beta-D-glucopyranoside, >98.0%	10343-13-2
195578	5-Bromo-3-indolyl-beta-D-galactopyranoside, >98.0%	97753-82-7
195579	5-Bromo-3-indolyl- phosphate p-toluidine salt, >98.0%	80008-69-1
195580	5-Bromo-4-chloro-3-indolyl-2-acetamido-2-deoxy-alpha-D-galactopyranoside, >98.0%	210110-89-7
195581	5-Bromo-4-chloro-3-indolyl-2-acetamido-2-deoxy-beta-D-galactopyranoside, >98.0%	129572-48-1
195582	5-Bromo-4-chloro-3-indolyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	4264-82-8
195583	5-Bromo-4-chloro-3-indolyl-alpha-L-fucopyranoside, >98.0%	171869-92-4
195584	5-Bromo-4-chloro-3-indoxyl-alpha-D-maltotriose, >98.0%	341972-94-9
195585	5-Bromo-4-chloro-3-indoxyl-beta-D-cellobioside, >98.0%	177966-52-8
195586	5-Bromo-4-chloro-3- indolyl-beta-D- xylopyranoside, >98.0%	207606-55-1
195587	5-Bromo-6-chloro-3- indolyl-beta-D- galactopyranoside, >98.0%	93863-88-8
195588	5-Bromo-6-chloro-3- indolyl-alpha-D- galactopyranoside, >98.0%	198402-60-7
195589	5-Bromo-6-chloro-3-indolyl-2-acetamido-2-deoxy-alpha-D-glucopyranoside, >98.0%	
195590	5-Bromo-6-chloro-3-indolyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	5069-91-6
195591	5-Bromo-6-chloro-3-indolyl-alpha-L-fucopyranoside, >98.0%	
195592	5-Bromo-6-chloro-3-indolyl-alpha-D-glucopyranoside, >98.0%	
195593	5-Bromo-6-chloro-3-indolyl-beta-D-glucopyranoside, >98.0%	93863-89-9
195594	Benzocaine glucoside, >98.0%	
195595	6-Bromo-2-naphthyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	
195596	6-Bromo-2-naphthyl alpha-D-galactopyranoside, >98.0%	25997-59-5

195597	6-Bromo-2-naphthyl alpha-D-glucopyranoside, >98.0%	25696-57-5
195598	6-Bromo-2-naphthyl alpha-D-mannopyranoside, >98.0%	28541-84-6
195599	6-Bromo-2-naphthyl beta-D-galactopyranoside, >98.0%	15572-30-2
195600	6-Bromo-2-naphthyl beta-D-glucopyranoside, >98.0%	15548-61-5
195601	6-Bromo-2-naphthyl beta-D-glucuronide, >98.0%	22720-35-0
195602	6-Bromo-2-naphthyl beta-D-xylopyranoside, >98.0%	69594-75-8
195603	5-Bromo-4-chloro-3-indolyl alpha-D-glucopyranoside, >98.0%	108789-36-2
195604	5-Bromo-4-chloro-3-indolyl alpha-D-mannopyranoside, >98.0%	125229-64-3
195605	5-Bromo-4-chloro-3-indolyl alpha-D-N-acetylneuraminic acid methyl ester, >98.0%	
195606	5-Bromo-4-chloro-3-indolyl alpha-D-N-acetylneuraminic acid sodium salt, >98.0%	160369-85-7
195607	5-Bromo-4-chloro-3-indolyl alpha-L-arabinofuranoside, >98.0%	
195608	5-Bromo-4-chloro-3-indolyl beta-D-fucopyranoside, >98.0%	17016-46-5
195609	5-Bromo-3-indolyl decanoate, >98.0%	133950-71-7
195610	5-Bromo-3-indolyl-beta-D-glucopyranoside, >98.0%	
195611	5-Bromo-3-indolyl-beta-D-galactopyranoside-6-sulfate sodium salt, >98.0%	
195612	5-Bromo-3-indolyl-alpha-D-mannopyranoside, >98.0%	
195613	5-Bromo-3-indolyl-alpha-D-galactopyranoside, >98.0%	
195614	5-Bromo-3-indolyl-2-acetamido-2-deoxy-beta-D-glucopyranose, >98.0%	58255-98-2
195615	5-Bromo-4-chloro-3-indolyl-alpha-D-xylopyranoside, >98.0%	
195616	5-Bromo-4-chloro-3-indolyl alpha-D-fucopyranoside, >98.0%	
195617	5-Bromo-4-chloro-3-indolyl alpha-D-galactopyranoside, >98.0%	107021-38-5
195618	5-Bromo-4-chloro-3-indolyl beta-D-galactopyranoside-6-sulphate, >98.0%	
195619	5-Bromo-4-chloro-3-indolyl beta-D-glucuronide sodium salt, >98.0%	370100-64-4
195620	5-Bromo-4-chloro-3-indolyl beta-D-mannopyranoside, >98.0%	129787-67-3
195621	5-Bromo-4-chloro-3-indolyl beta-L-fucopyranoside, >98.0%	125328-84-9
195622	5-Bromo-4-chloro-3-indolyl nonanoate, >98.0%	133950-77-3
195623	5-Bromo-4-chloro-3-indolyl phosphate p-toluidine-salt, >98.0%	1708-76-6
195624	5-Bromo-4-chloro-3-indolyl sulfate potassium salt, >98.0%	6578-07-0
195625	5-Bromo-6-chloro-3-indolyl beta-D-glucuronide, >98.0%	144110-42-9
195626	5-Bromo-6-chloro-3-indolyl beta-D-glucuronide cyclohexylammonium salt, >98.0%	144110-43-0
195627	5-Bromo-6-chloro-3-indolyl phosphate p-toluidine salt, >98.0%	6769-80-8
195628	4-Chlorophenyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	50730-05-7
195629	4-Chlorophenyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	50729-97-0
195630	4-Chlorophenyl-beta-D-glucopyranoside, >98.0%	4756-30-3
195631	2-Chloro-4-nitrophenyl beta-D-maltotriose, >98.0%	165522-16-7
195632	6'-(O-(Carboxymethyl))-2',7'-dichlorofluorescein 3'-(O-(N-acetyl-beta-D-glucosamide)), >98.0%	
195633	3-Carboxyumbelliferyl-beta-D-glucuronide, >98.0%	216672-17-1
195634	3-Carboxyumbelliferyl beta-D-galactopyranoside, >98.0%	64664-99-9
195635	6-Chloro-3-indolyl 2-acetamido-2-deoxy-beta-D-galactopyranoside, >98.0%	501432-61-7
195636	6-Chloro-3-indolyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	156117-44-1
195637	6-Chloro-3-indolyl alpha-D-galactopyranoside, >98.0%	198402-61-8
195638	6-Chloro-3-indolyl alpha-D-glucopyranoside, >98.0%	467214-46-6
195639	6-Chloro-3-indolyl alpha-D-mannopyranoside, >98.0%	425427-88-9

195640	6-Chloro-3-indolyl beta-D-cellobioside, >98.0%	425427-87-8
195641	4-Chloro-3-indolyl beta-D-galactopyranoside, >98.0%	135313-63-2
195642	6-Chloro-3-indolyl beta-D-galactopyranoside, >98.0%	138182-21-5
195643	6-Chloro-3-indolyl beta-D-glucopyranoside, >98.0%	159954-28-6
195644	6-Chloro-3-indolyl beta-D-glucuronide cyclohexylammonium salt, >98.0%	138182-20-4
195645	6-Chloro-3-indolyl beta-D-glucuronide sodium salt, >98.0%	216971-56-1
195646	6-Chloro-3-indolyl phosphate p-toluidine salt, >98.0%	159954-33-3
195647	2-Chloro-4-nitrophenyl 2-acetamido-2-deoxy-alpha-D-glucopyranoside, >98.0%	
195648	2-Chloro-4-nitrophenyl 2,3,4,6-tetra-O-acetyl-alpha-D-glucopyranoside, >98.0%	153823-58-6
195649	2-Chloro-4-nitrophenyl 2,3,4,6-tetra-O-acetyl-beta-D-glucopyranoside, >98.0%	35023-71-3
195650	2-Chloro-4-nitrophenyl alpha-D-fucopyranoside, >98.0%	
195651	2-Chloro-4-nitrophenyl alpha-D-glucopyranoside, >98.0%	119047-14-2
195652	2-Chloro-4-nitrophenyl alpha-D-maltotriose, >98.0%	118291-90-0
195653	2-Chloro-4-nitrophenyl beta-D-cellobioside, >98.0%	135743-28-1
195654	2-Chloro-4-nitrophenyl beta-D-galactopyranoside, >98.0%	123706-60-5
195655	2-Chloro-4-nitrophenyl beta-D-lactoside, >98.0%	120583-41-7
195656	4-Chloromethyl-6, 8-difluoroumbelliferyl-beta-D-galactopyranoside, >98.0%	215868-46-5
195657	Chlorophenol red beta-D-galactopyranoside sodium salt, >98.0%	
195658	2-Deoxy-D-glucose, >98.0%	154-17-6
195659	3-Deoxy-D-glucose, >98.0%	2490-91-7
195660	2-Deoxy-L-ribose, >98.0%	18546-37-7
195661	9H-(1,3-dichloro-9, 9-dimethylacridin-2-one-7-yl) beta-D-glucuronide, >98.0%	
195662	6, 8-Difluoro-4-methylumbelliferyl-beta-D-glucopyranoside, >98.0%	351009-26-2
195663	5-Dodecanoylaminoflorescein di-beta-D-galactopyranoside, >98.0%	138777-25-0
195664	Dodecyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	147025-06-7
195665	Decyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	147025-05-6
195666	Decyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	135198-04-8
195667	Decyl-alpha-D-maltoside, >98.0%	168037-12-5
195668	Decyl beta-D-glucopyranoside, >98.0%	58846-77-8
195669	Decyl beta-D-maltopyranoside, >98.0%	82494-09-5
195670	Decyl beta-D-thioglucopyranoside, >98.0%	98854-16-1
195671	Decyl beta-D-thiomaltopyranoside, >98.0%	14565-56-4
195672	2, 6-Dimethyl-4-heptyl-beta-D-maltopyranoside, >98.0%	869638-31-3
195673	Dodecanoyl-D-sucrose, >98.0%	25339-99-5
195674	Dodecyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	211567-22-5
195675	Dodecyl a-D-glucopyranoside, >98.0%	29980-16-3
195676	Dodecyl a-D-maltopyranoside, >98.0%	116183-64-3
195677	Dodecyl beta-D-glucopyranoside, >98.0%	59122-55-3
195678	Dodecyl beta-D-maltopyranoside, >98.0%	69227-93-6
195679	Dodecyl beta-D-thiomaltopyranoside, >98.0%	148565-58-6
195680	Dodecyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	147025-06-7
195681	Dodecyl-beta-D-galactopyranoside, >98.0%	
195682	Ethyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-alpha-D-thioglucopyranoside, >98.0%	49810-41-5

195683	Ethyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	76155-50-5
195684	Ethyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	2495-96-7
195685	Ethly-2,3,4,6-tetra-O-acetyl-alpha-D-thiogalactopyranoside, >98.0%	126187-25-5
195686	Ethly-2,3,4,6-tetra-O-acetyl-alpha-D-thioglucopyranoside, >98.0%	52645-73-5
195687	Ethly-2,3,4,6-tetra-O-acetyl-beta-D-thiogalactopyranoside, >98.0%	55722-49-1
195688	Ethly-2,3,4,6-tetra-O-acetyl-beta-D-thioglucopyranoside, >98.0%	41670-79-5
195689	Ethyl-1-thio-beta-D-glucopyranoside, >98.0%	7473-36-1
195690	Ethyl-1-thio-beta-D-galactopyranoside, >98.0%	56245-60-4
195691	Ethyl-beta-D-glucoside, >98.0%	
195692	2-Fluoro-2-deoxy-1,3,5-tri-O-acetyl-alpha-arabinofuranose, >98.0%	444586-86-1
195693	Fluorescein beta-D-galactopyranoside, >98.0%	102286-67-9
195694	Fluorescein di-beta-D-galactopyranoside, >98.0%	178 7-20-8
195695	Fluorescein di-beta-D-glucopyranoside, >98.0%	129787-66-2
195696	Fluorescein di-beta-D-glucuronide dimethyl ester, >98.0%	
195697	Fluorescein di-beta-D-N-acetylgalactosamine, >98.0%	
195698	6-Fluoro-3-indolyl-beta-D-galactopyranoside, >98.0%	207727-11-5
195699	D-Fructose-1, 6-biphosphate Na <sub>3</sub> -salt, >98.0%	81028-91-3
195700	6-Hexadecanoylamino-4-methylumbelliferyl-beta-D- galactopyranoside, >98.0%	94452-17-2
195701	8-Hydroxyquinoline-beta-D-galactopyranoside, >98.0%	113079-84-8
195702	8-Hydroxyquinoline -beta-D-glucopyranoside, >98.0%	29266-96-4
195703	8-Hydroxyquinoline-beta-D-glucuronide sodium salt, >98.0%	207728-71-0
195704	Heptadecyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	262856-90-6
195705	Heptadecyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	262856-89-3
195706	Heptyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	20818-25-1
195707	Heptyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	115431-24-8
195708	Heptyl beta-D-glucopyranoside, >98.0%	78617-12-6
195709	Heptyl beta-D-thioglucopyranoside, >98.0%	85618-20-8
195710	Hexadecyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	115414-49-8
195711	Hexadecyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy- beta-D-glucopyranoside, >98.0%	115414-47-6
195712	Hexadecyl beta-D-glucopyranoside, >98.0%	
195713	Hexadecyl beta-D-maltopyranoside, >98.0%	98064-96-1
195714	Hexyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	190912-49-3
195715	Hexyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	172945-26-5
195716	Hexyl beta-D-glucopyranoside, >98.0%	59080-45-4
195717	Hexyl beta-D-maltopyranoside, >98.0%	870287-95-9
195718	Hexyl beta-D-thioglucopyranoside, >98.0%	85618-19-5
195719	Isopropyl-2-acetamide-3,4,6-tri-O-acetyl-2-deoxy- beta-D-glucopyranoside, >98.0%	7772-85-2
195720	1,2-O-Isopropylidene-alpha-D-glucofuranose, >98.0%	18549-40-1
195721	3-Indolyl-beta-D-galactopyranoside, >98.0%	126787-65-3
195722	3-Indolyl-beta-D-glucopyranoside, >98.0%	487-60-5
195723	3-Indolyl-beta-D-glucuronide, >98.0%	
195724	3-Indolyl-beta-D-glucuronide cyclohexylammonium salt, >98.0%	35804-66-1
195725	3-Indolyl-beta-D-glucuronide sodium salt, >98.0%	119736-51-5

195726	3-Indolyl 2-acetamido-2-deoxy-beta-D-galactopyranoside, >98.0%	
195727	3-Indolyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	
195728	3-Indolyl beta-D-galactopyranoside-6-sulfate sodium salt, >98.0%	
195729	5-Iodo-3-indolyl-beta-D-galactopyranoside, >98.0%	
195730	5-Iodo-3-indolyl-beta-D-galactopyranoside-6-sulfate sodium salt, >98.0%	
195731	4-Isothiocyanatophenyl-beta-D-glucopyranoside, >98.0%	20581-41-3
195732	Lamotrigine N2-glucuronide, >98.0%	133310-19-7
195733	4-Methoxyphenyl-beta-D-galactopyranoside, >98.0%	3150-20-7
195734	4-Methoxyphenyl-beta-D-glucopyranoside, >98.0%	6032-32-2
195735	4-Methoxyphenyl-2,3,4,6-tetra-O-acetyl-beta-D-galactopyranoside, >98.0%	2872-65-3
195736	4-Methoxyphenyl-2,3,4,6-tetra-O-acetyl-beta-D-glucopyranoside, >98.0%	14581-81-8
195737	4-Methoxyphenyl-2,3,4,6-tetra-O-acetyl-beta-D-mannopyranoside, >98.0%	17042-40-9
195738	4-Methoxyphenyl-2,3,4,6-tetra-O-benzyl-beta-D-galactopyranoside, >98.0%	143536-99-6
195739	Methyl-2-acetamido-2-deoxy-alpha-D-glucopyranoside, >98.0%	6082-04-8
195740	1-Methyl-2-deoxy-D-ribose, >98.0%	60134-26-1
195741	Methyl-4,6-O-benzylidene-alpha-D-galactopyranoside, >98.0%	72904-85-9
195742	Methyl-4,6-O-benzylidene-beta-D-galactopyranoside, >98.0%	6988-39-2
195743	Methyl-2,3,4,6-tetra-O-benzyl-alpha-D-galactopyranoside, >98.0%	53008-63-2
195744	Methyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	2771-48-4
195745	4-Methylumbelliferyl-2,3,4,6-tetra-O-acetyl-alpha-D-mannopyranoside, >98.0%	28541-71-1
195746	4-Methylumbelliferyl-beta-D-galactopyranoside, >98.0%	6160-78-7
195747	4-Methylumbelliferyl-beta-D-glucopyranoside, >98.0%	18997-57-4
195748	4-Methylumbelliferyl-alpha-D-mannopyranoside, >98.0%	28541-83-5
195749	4-Methylumbelliferyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	37067-30-4
195750	4'-Methoxy-3, 3', 5-stilbenetriol-3-glucoside, >98.0%	155-58-8
195751	N-Methyl-3-indolyl-beta-D-galactopyranoside, >98.0%	207598-26-3
195752	N-Methylindolyl-alpha-D-arabinopyranoside, >98.0%	
195753	4-Methylumbelliferyl 2-acetamido-2-deoxy-3-O-(alpha-L-fucopyranosyl)-beta-D-glucopyranoside, >98.0%	38316-12-1
195754	4-Methylumbelliferyl 2-acetamido-2-deoxy-3, 6-di-O-pivaloyl-beta-D-galactopyranoside, >98.0%	
195755	4-Methylumbelliferyl 2-acetamido-2-deoxy-4-O-(alpha-L-fucopyranosyl)-beta-D-glucopyranoside, >98.0%	38316-13-2
195756	4-Methylumbelliferyl 2-acetamido-2-deoxy-6-O-sulfo-beta-D-glucopyranoside potassium salt, >98.0%	210357-38-3
195757	4-Methylumbelliferyl 2-acetamido-2-deoxy-beta-D-galactopyranoside, >98.0%	36476-29-6
195758	4-Methylumbelliferyl 2-acetamido-2-deoxy-beta-D-galactopyranoside 4-sulfate sodium salt, >98.0%	
195759	4-Methylumbelliferyl 2-acetamido-2-deoxy-beta-D-galactopyranoside 6 sulphate potassium salt, >98.0%	383160-14-3
195760	4-Methylumbelliferyl 2-deoxy-2-sulfamino-beta-D-glucopyranoside sodium salt, >98.0%	
195761	4-Methylumbelliferyl 2-acetamido-2-deoxy-beta-D-glucopyranoside 6-sulphate sodium salt, >98.0%	142439-99-4
195762	4-Methylumbelliferyl 2-acetamido-3-O-(2,3,4-tri-O-acetyl-alpha-L-fucopyranosyl)-4-O-(2,3,4,6-tetra-O-acetyl-beta-D-galactopyranosyl)-6-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	
195763	4-Methylumbelliferyl 2-acetamido-3-O-(beta-D-galactopyranosyl)-alpha-D-glucopyranoside, >98.0%	210357-36-1
195764	4-Methylumbelliferyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-alpha-D-glucopyranoside, >98.0%	
195765	4-Methylumbelliferyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-galactopyranoside, >98.0%	124167-46-0
195766	4-Methylumbelliferyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	124167-45-9



195767	4-Methylumbelliferyl 2-amino-2-deoxy-alpha-D-glucopyranoside, >98.0%	137687-00-4
195768	4-Methylumbelliferyl 2-deoxy-2-sulfamino- alpha-D-glucopyranoside sodium salt, >98.0%	180088-52-2
195769	4-Methylumbelliferyl 2-O-(2,3,4-tri-O-benzoyl-alpha-L-fucopyranosyl)-beta-D- galactopyranoside, >98.0%	
195770	4-Methylumbelliferyl 2-O-(alpha-L-fucopyranosyl)- beta-D-galactopyranoside, >98.0%	225217-42-5
195771	4-Methylumbelliferyl 2,3-di-O-benzoyl-4,6-O-benzylidene-beta-D- galactopyranoside, >98.0%	
195772	4-Methylumbelliferyl 2,3,4,6-tetra-O-acetyl- alpha-D-glucopyranoside, >98.0%	67945-53-3
195773	4-Methylumbelliferyl 2,3, 6-tri-O-benzoyl- beta-D- galactopyranoside, >98.0%	
195774	4-Methylumbelliferyl 3-deoxy-D-glycero-alpha-D-galacto-2-nonulosonic acid, sodium salt, >98.0%	123269-95-4
195775	4-Methylumbelliferyl 3-O-(alpha-L-fucopyranosyl)- beta-D-galactopyranoside, >98.0%	296776-06-2
195776	4-Methylumbelliferyl 3,4,6-tri-O-acetyl-2-deoxy- 2-trifluoroacetamido-alpha-D- glucopyranoside, >98.0%	137686-92-1
195777	4-Methylumbelliferyl 3,4,6-tri-O-acetyl-2-deoxy- 2-trifluoroacetamido-beta-D- glucopyranoside, >98.0%	137686-93-2
195778	4-Methylumbelliferyl 3,4,6-tri-O-acetyl-2-O-(2,3,4-tri-O-benzoyl-alpha-L- fucopyranosyl)-beta-D-galactopyranoside, >98.0%	
195779	4-Methylumbelliferyl 3,4,6-tri-O-acetyl-beta-D- galactopyranoside, >98.0%	
195780	4-Methylumbelliferyl 4-deoxychitobiose, >98.0%	
195781	4-Methylumbelliferyl 4-O-(alpha-L-fucopyranosyl)- beta-D-galactopyranoside, >98.0%	383160-15-4
195782	4-Methylumbelliferyl 4,6-O-benzylidene-beta-D- galactopyranoside, >98.0%	
195783	4-Methylumbelliferyl 6-thio-palmitate-beta-D-glucopyranoside, >98.0%	229644-17-1
195784	4-Methylumbelliferyl alpha-D-arabinopyranoside, >98.0%	
195785	4-Methylumbelliferyl alpha-D-galactopyranoside, >98.0%	38579-12-5
195786	4-Methylumbelliferyl alpha-D-glucopyranoside, >98.0%	17833-43-1
195787	4-Methylumbelliferyl alpha-D-N-acetyl-4, 7, 8, 9-tetra-O-acetylneuraminic acid methyl ester, >98.0%	59361-08-9
195788	4-Methylumbelliferyl alpha-L-arabinofuranoside, >98.0%	77471-44-4
195789	4-Methylumbelliferyl alpha-L-arabinopyranoside, >98.0%	69414-26-2
195790	4-Methylumbelliferyl alpha-L-fucopyranoside, >98.0%	54322-38-2
195791	4-Methylumbelliferyl alpha-L-idopyranosiduronic acid 2-sulphate sodium salt, >98.0%	1045020-74-3
195792	4-Methylumbelliferyl alpha-L-idopyranoside, >98.0%	66901-41-5
195793	4-Methylumbelliferyl alpha-L-idopyranosiduronic acid cyclohexylammonium salt, >98.0%	66895-33-8
195794	4-Methylumbelliferyl alpha-L-idopyranosiduronic acid sodium salt, >98.0%	89157-94-8
195795	4-Methylumbelliferyl beta-D-cellobioside, >98.0%	72626-61-0
195796	4-Methylumbelliferyl beta-D-cellobioside, >98.0%	
195797	4-Methylumbelliferyl beta-D-chitobiose heptaacetate, >98.0%	
195798	4-Methylumbelliferyl beta-D-fucopyranoside, >98.0%	55487-93-9
195799	4-Methylumbelliferyl beta-D-galactopyranoside-6-sulfate, >98.0%	126938-14-5
195800	4-Methylumbelliferyl beta-D-galactopyranoside-6-sulphate sodium salt, >98.0%	206443-06-3
195801	4-Methylumbelliferyl beta-D-gentiotrioside, >98.0%	383160-16-5
195802	4-Methylumbelliferyl beta-D-glucuronide hydrate, >98.0%	6160-80-1
195803	4-Methylumbelliferyl beta-D-glucuronide trihydrate, >98.0%	199329-67-4
195804	4-Methylumbelliferyl beta-D-lactoside, >98.0%	84325-23-5
195805	4-Methylumbelliferyl beta-D-mannopyranoside, >98.0%	67909-30-2
195806	4-Methylumbelliferyl beta-D-ribofuranoside, >98.0%	195385-93-4
195807	4-Methylumbelliferyl beta-D-xylopyranoside, >98.0%	6734-33-4
195808	4-Methylumbelliferyl beta-L-arabinopyranoside, >98.0%	

195809	4-Methylumbelliferyl beta-L-fucopyranoside, >98.0%	72601-82-2
195810	4-Methylumbelliferyl N-acetyl-alpha-D-neuraminic acid ammonium salt, >98.0%	
195811	4-Methylumbelliferyl N-acetyl-alpha-D-neuraminic acid sodium salt, >98.0%	76204-02-9
195812	4-Methylumbelliferyl N, N', N"-triacetyl-beta-D-chitotrioside, >98.0%	53643-13-3
195813	4-Methylumbelliferyl N, N', N", N"-tetraacetyl-beta-D- chitotetraoside, >98.0%	53643-14-4
195814	4-Methylumbelliferyl N, N-diacetyl-beta-D-chitobioside, >98.0%	53643-12-2
195815	4-Methylumbelliferyl phosphate, >98.0%	3368-04-5
195816	2-Nitrophenyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	13264-92-1
195817	2-Nitrophenyl-alpha-D-glucopyranoside, >98.0%	
195818	2-Nitrophenyl-beta-D-glucopyranoside, >98.0%	2816-24-2
195819	4-Nitrophenyl-2-acetamido-2-deoxy-alpha-D-galactopyranoside, >98.0%	23646-68-6
195820	4-Nitrophenyl-beta-D-galactopyranoside, >98.0%	
195821	1-Naphthyl 2-acetamido-2-deoxy-beta-D-galactopyranose, >98.0%	
195822	2-Naphthyl 2,3,4,6-tetra-O-acetyl-beta-D-glucopyranoside, >98.0%	14581-89-6
195823	1-Naphthyl alpha-D-galactopyranoside, >98.0%	65174-63-2
195824	1-Naphthyl alpha-D-glucopyranoside, >98.0%	208647-48-7
195825	2-Naphthyl alpha-D-glucopyranoside, >98.0%	25320-79-0
195826	2-Naphthyl alpha-L-fucopyranoside, >98.0%	63503-05-9
195827	2-Naphthyl beta-D-galactopyranoside, >98.0%	33993-25-8
195828	1-Naphthyl beta-D-galactopyranoside, >98.0%	41335-32-4
195829	1-Naphthyl beta-D-glucopyranoside, >98.0%	19939-82-3
195830	2-Naphthyl beta-D-glucopyranoside monohydrate, >98.0%	6044-30-0
195831	2-Naphthyl -beta-D-glucuronide sodium salt, >98.0%	20838-64-6
195832	1-Naphthyl -beta-D-glucuronide sodium salt, >98.0%	83833-12-9
195833	1-Naphthyl -beta-D-mannopyranoside, >98.0%	84297-22-3
195834	2-Naphthyl -beta-D-mannopyranoside, >98.0%	
195835	4-Nitrophenyl-2,3,4,6-tetra-O-acetyl-alpha-D- thiomannopyranoside, >98.0%	
195836	4-Nitrophenyl-2,3,4,6-tetra-O-acetyl-beta-D-thiogluco-pyranoside, >98.0%	
195837	4-Nitrophenyl-alpha-D-thiomannopyranoside, >98.0%	
195838	4-Nitrophenyl-beta-D-thiogluco-pyranoside, >98.0%	
195839	4-Nitrophenyl 2-acetamido-2-deoxy-3-O-(beta-D-galactopyranosyl)-alpha-D- galactopyranoside, >98.0%	59837-14-8
195840	4-Nitrophenyl 2-acetamido-2-deoxy-3-O-(beta-D-galactopyranosyl)-beta-D- glucopyranoside, >98.0%	57467-13-7
195841	4-Nitrophenyl 2-acetamido-2-deoxy-3-O- (2-O-(alpha-L-fucopyranosyl)-beta-D- glucopyranoside), >98.0%	93496-53-8
195842	beta-D-glucopyranoside, >98.0%	
195843	4-Nitrophenyl 2-acetamido-2-deoxy-3, 6-di-O-benzoyl- beta-D- galactopyranoside, >98.0%	132498-72-7
195844	4-Nitrophenyl 2-acetamido-2-deoxy- 4-O-(alpha-L-fucopyranosyl)-beta-D-glucopyranoside, >98.0%	259141-52-7
195845	4-Nitrophenyl 2-acetamido-2-deoxy- 4-O-(beta-D-galactopyranosyl)-alpha-D- glucopyranoside, >98.0%	184377-56-8
195846	4-Nitrophenyl 2-acetamido-2-deoxy- 4-O-(beta-D-galactopyranosyl)-beta-D- glucopyranoside, >98.0%	74211-28-2
195847	4-Nitrophenyl 2-acetamido-2-deoxy-4-O- [2-O-(alpha-L-fucopyranosyl)-beta-D-galactopyranosyl]- beta-D-glucopyranoside, >98.0%	177855-99-1
195848	4-Nitrophenyl 2-acetamido-2-deoxy-4,6-O-benzylidene-beta-D-glucopyranoside, >98.0%	19234-58-3
195849	4-Nitrophenyl 2-acetamido-2-deoxy-4,6-O-p-methoxybenzylidene-alpha-D-galactopyranoside, >98.0%	59868-86-9

195850	4-Nitrophenyl 2-acetamido-2-deoxy- 6-O-trityl-beta-D-glucopyranoside, >98.0%	
195851	4-Nitrophenyl 2-acetamido-2-deoxy-alpha-D-galactopyranose, >98.0%	50645-66-4
195852	2-Nitrophenyl 2-acetamido-2-deoxy-alpha-D-galactopyranoside, >98.0%	23464-67-5
195853	2-Nitrophenyl 2-acetamido-2-deoxy-alpha-D-gluco pyranoside, >98.0%	10139-01-2
195854	4-Nitrophenyl 2-acetamido-2-deoxy-alpha-D-gluco pyranoside, >98.0%	10139-02-3
195855	2-Nitrophenyl 2-acetamido-2-deoxy-beta-D-galactopyranose, >98.0%	152957-34-1
195856	4-Nitrophenyl 2-acetamido-2-deoxy-beta-D-galactopyranoside, >98.0%	14948-96-0
195857	4-Nitrophenyl 2-acetamido-2-deoxy-beta-D-gluco pyranoside-6-sulfate, >98.0%	
195858	4-Nitrophenyl 2-acetamido-2-deoxy-beta-D-gluco pyranoside-6-sulfate potassium salt, >98.0%	80095-44-9
195859	4-Nitrophenyl 2-acetamido-3-O-acetyl-2-deoxy- beta-D-gluco pyranoside, >98.0%	23262-57-9
195860	4-Nitrophenyl 2-acetamido-3-O-acetyl-4,6-O-benzylidene-2-deoxy-alpha-D-gluco pyranoside, >98.0%	
195861	4-Nitrophenyl 2-acetamido-3-O-(2-acetamido-2-deoxy-beta-D-gluco pyranosyl)-2-deoxy-alpha-D-galactopyranoside, >98.0%	125455-64-3
195862	4-Nitrophenyl 2-acetamido-3-O-(2-acetamido-3,4,6- tri-O-acetyl-beta-D-gluco pyranosyl)-4,6-di-O-acetyl- 2-deoxy-alpha-D-galacto pyranoside, >98.0%	
195863	4-Nitrophenyl 2-acetamido-3-O-(2,3,4,6-tetra-O-acetyl-beta-D-galactopyranosyl)-2-deoxy-alpha-D-galactopyranoside, >98.0%	57467-12-6
195864	4-Nitrophenyl 2-acetamido-3-O-(3,4,6-tri-O-acetyl-2-deoxy-2-phthalimido-beta-D-gluco pyranosyl)-2-deoxy-4,6-O-p-methoxybenzylidene-alpha-D-galactopyranoside, >98.0%	
195865	4-Nitrophenyl 2-acetamido-3-O-(3,4,6-tri-O-acetyl- 2-deoxy-2-phthalimido-beta-D-gluco pyranosyl)-2-deoxy- alpha-D-galactopyranoside, >98.0%	
195866	4-Nitrophenyl 2-acetamido-3-O-[2-O-(2,3,4- tri-O-benzoyl-alpha-L-fuco pyranosyl)-3,4,6-tri-O-acetyl-2-deoxy-D-galactopyranosyl]-beta-D-gluco pyranoside, >98.0%	
195867	4-Nitrophenyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-alpha-D-gluco pyranoside, >98.0%	13089-23-1
195868	2-Nitrophenyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-alpha-D-gluco pyranoside, >98.0%	13264-91-0
195869	2-Nitrophenyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-galactopyranoside, >98.0%	
195870	2-Nitrophenyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-gluco pyranoside, >98.0%	
195871	4-Nitrophenyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-gluco pyranoside, >98.0%	13089-27-5
195872	4-Nitrophenyl 2-acetamido-3, 6-di-O-acetyl-2-deoxy-beta-D-gluco pyranoside, >98.0%	61891-87-0
195873	4-Nitrophenyl 2-acetamido-3, 6-di-O-acetyl-4-O-(2,3,4,6-tetra-O-acetyl-beta-D-galactopyranosyl)-2-deoxy-beta-D-gluco pyranoside, >98.0%	85193-88-0
195874	4-Nitrophenyl 2-acetamido-3, 6-di-O-acetyl-4-O- [2-O-(2,3,4-tri-O-benzoyl- alpha-L-fuco pyranosyl)-3,4,6-tri-O-acetyl-beta-D-galactopyranosyl]-2-deoxy-beta-D-gluco pyranoside, >98.0%	
195875	2-Nitrophenyl 2-acetamido-3, 6-di-O-acetyl- 4-O-[2-O-(2,3,4-tri-O-benzoyl-alpha-L-fuco pyranosyl)]- 2-deoxy-beta-D-gluco pyranoside, >98.0%	
195876	4-Nitrophenyl 2-acetamido-4-O-(2-acetamido-2-deoxy- beta-D-gluco pyranosyl)-2-deoxy-alpha-D-galactopyranoside, >98.0%	
195877	4-Nitrophenyl 2-acetamido-4-O-(2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-gluco pyranosyl)-3, 6-di-O-acetyl-2-deoxy-beta-D-gluco pyranoside, >98.0%	7284-19-7
195878	4-Nitrophenyl 2-acetamido-6-O-(2-acetamido-2-deoxy- beta-D-gluco pyranosyl)-2-deoxy-alpha-D-galactopyranoside, >98.0%	235752-73-5

195879	4-Nitrophenyl 2-acetamido-6-O-(2-acetamido-2-deoxy- beta-D-glucopyranosyl)-3-O-(beta-D-galactopyranosyl)-2-deoxy- alpha-D-galactopyranoside, >98.0%	139459-55-5
195880	4-Nitrophenyl 2-acetamido-6-O-(2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranosyl)-3-O-(2,3,4,6-tetra-O-acetyl-beta-D-galactopyranosyl)-2-deoxy-alpha-D- galactopyranoside, >98.0%	
195881	4-Nitrophenyl 2-azido-2-deoxy-alpha-D-galactopyranoside, >98.0%	210418-04-5
195882	4-Nitrophenyl 2-azido-2-deoxy-beta-D-galactopyranoside, >98.0%	
195883	4-Nitrophenyl 2-O-(2,3,4-tri-O-acetyl-alpha-L-fucopyranosyl)-6-O-benzoyl-3,4-O-isopropylidene-alpha-D-galactopyranoside, >98.0%	
195884	4-Nitrophenyl 2-O-(2,3,4-tri-O-acetyl- beta-L-fucopyranosyl)-6-O-benzoyl-alpha-D-galactopyranoside, >98.0%	
195885	4-Nitrophenyl 2-O-(2,3,4,6-tetra-O-acetyl- alpha-D-mannopyranosyl)- alpha-D-mannopyranoside, >98.0%	
195886	4-Nitrophenyl 2-O-(2,3,4,6-tetra-O-acetyl- beta-D-glucopyranosyl)-4,6-O-benzylidene-beta-D-glucopyranoside, >98.0%	26255-68-5
195887	4-Nitrophenyl 2-O-(2,3,4,6-tetra-O-acetyl- beta-D-glucopyranosyl)- beta-D-glucopyranoside, >98.0%	26255-69-6
195888	4-Nitrophenyl 2-O-(alpha-D-glucopyranosyl)- alpha-D-glucopyranoside, >98.0%	147103-31-9
195889	4-Nitrophenyl 2-O-(2,3,4,6-tri-O-acetyl- alpha-D-mannopyranosyl)-4,6-O-benzylidene-alpha-D-mannopyranoside, >98.0%	
195890	4-Nitrophenyl 2-O-(alpha-D-mannopyranosyl)- alpha-D-mannopyranoside, >98.0%	68462-57-7
195891	4-Nitrophenyl 2-O-(alpha-L-fucopyranosyl)- alpha-D-galactopyranoside, >98.0%	383417-46-7
195892	4-Nitrophenyl 2-O-(alpha-L-fucopyranosyl)- beta-D-galactopyranoside, >98.0%	
195893	4-Nitrophenyl 2-O-(beta-D-glucopyranosyl)- beta-D-glucopyranoside, >98.0%	16790-33-3
195894	4-Nitrophenyl 2-O-(beta-L-fucopyranosyl)- beta-D-galactopyranoside, >98.0%	77640-21-2
195895	2-Nitrophenyl 2, 2', 3, 3', 4'-penta-O-acetyl- beta-D-xylobioside, >98.0%	162088-92-8
195896	4-Nitrophenyl 2-acetamido-3-O-[2-O-(2,3,4-tri-O-benzoyl -alpha-L-fuco pyranosyl)-3,4,6-tri-O-acetyl-D-galactopyranosyl]-2-deoxy-6-O-trityl-beta-D-glucopyranoside, >98.0%	
195897	2-Nitrophenyl 2,3-di-O-acetyl-4-O-triethylsilyl- beta-D-xylopyranoside, >98.0%	162088-90-6
195898	2-Nitrophenyl 2,3-di-O-acetyl-beta-D-xylopyranoside, >98.0%	162088-91-7
195899	4-Nitrophenyl 2,3-di-O-(2,3,4,6-tetra-O-acetyl- beta-D-glucopyranosyl)-4,6-benzylidene- beta-D-glucopyranoside, >98.0%	
195900	4-Nitrophenyl 2,3-di-O-(2,3,4,6-tetra-O-acetyl- beta-D-glucopyranosyl)- beta-D-glucopyranoside, >98.0%	
195901	4-Nitrophenyl 2,3-di-O-(beta-D-glucopyranosyl)- beta-D-glucopyranoside, >98.0%	
195902	4-Nitrophenyl 2,3,4-tri-O-acetyl-6-O-trityl-alpha-D-glucopyranoside, >98.0%	
195903	4-Nitrophenyl 2,3,4-tri-O-acetyl-6-O-(2,3,4,6-tetra-O-[4-methoxybenzyl]-alpha-D-glucopyranosyl)-alpha-D-glucopyranoside, >98.0%	
195904	4-Nitrophenyl 2,3,4-tri-O-acetyl-6-O-(alpha-D-glucopyranosyl)-alpha-D- glucopyranoside, >98.0%	
195905	4-Nitrophenyl 2,3,4-tri-O-acetyl-alpha-D-glucopyranoside, >98.0%	
195906	2-Nitrophenyl 2,3,4-tri-O-acetyl-beta-D-galactopyranoside, >98.0%	
195907	4-Nitrophenyl 2,3,4-tri-O-acetyl-beta-D-glucuronide methyl ester, >98.0%	18472-49-6
195908	2-Nitrophenyl 2,3,4-tri-O-acetyl-beta-D-glucuronide methyl ester, >98.0%	55274-44-7
195909	2-Nitrophenyl 2,3,4-tri-O-acetyl-beta-D-xylopyranoside, >98.0%	10256-24-3
195910	4-Nitrophenyl 2,3,4-tri-O-levulinoyl-alpha-D- mannopyranoside, >98.0%	
195911	4-Nitrophenyl 2,3,4,6-tetra-O-acetyl-alpha-D-glucopyranoside, >98.0%	14131-42-1

195912	4-Nitrophenyl 2,3,4,6-tetra-O-acetyl-alpha-D- mannopyranoside, >98.0%	13242-51-0
195913	4-Nitrophenyl 2,3,4,6-tetra-O-acetyl-alpha-D- mannopyranoside, >98.0%	3053-17-6
195914	4-Nitrophenyl 2,3,4,6-tetra-O-acetyl-beta-D-glucopyranoside, >98.0%	5987-78-0
195915	4-Nitrophenyl 2,4,6-tri-O-acetyl-3-O-(2,3,4,6-tetra-O-acetyl-beta-D-glucopyranosyl)-beta-D-glucopyranoside, >98.0%	195715-98-1
195916	4-Nitrophenyl 2,4,6-tri-O-acetyl-3-O (2,3,4,6-tetra-O-acetyl-beta-D-glucopyranosyl)-alpha-D-glucopyranoside, >98.0%	
195917	4-Nitrophenyl 2, 6-di-O-benzoyl-alpha-D-galactopyranoside, >98.0%	135216-30-7
195918	4-Nitrophenyl 3-O-(2,3,4,6-tetra-O-acetyl- alpha-D-mannopyranosyl)-2-O-benzoyl-4,6-O-benzylidene- alpha-D-mannopyranoside, >98.0%	
195919	4-Nitrophenyl 3-O-(2,3,4,6-tetra-O-acetyl- alpha-D-mannopyranosyl)-2-O-benzoyl-alpha-D-mannopyranoside, >98.0%	
195920	4-Nitrophenyl 3-O-(2,3,4,6-tetra-O-acetyl-alpha-D-mannopyranosyl)-2,4-di-O-benzoyl-beta-D-mannopyranoside, >98.0%	
195921	4-Nitrophenyl 3-O-(2,3,4,6-tetra-O-acetyl-alpha-D-manno pyranosyl)-4,6-O-cyclohexylidene-beta-D-mannopyranoside, >98.0%	
195922	4-Nitrophenyl 3-O-(2,3,4,6-tetra-O-acetyl-beta-D-glucopyranosyl)-beta-D- glucopyranoside, >98.0%	
195923	4-Nitrophenyl 3-O-(alpha-D-glucopyranosyl)- alpha-D-glucopyranoside, >98.0%	
195924	4-Nitrophenyl 3-O-(alpha-D-mannopyranosyl)-alpha-D-mannopyranoside, >98.0%	93979-06-7
195925	4-Nitrophenyl 3-O-(beta-D-glucopyranosyl)- alpha-D-glucopyranoside, >98.0%	
195926	4-Nitrophenyl 3-O-(beta-D-glucopyranosyl)- beta-D-glucopyranoside, >98.0%	26255-70-9
195927	4-Nitrophenyl 3,4,6-tri-O-acetyl-beta-D-galactopyranoside, >98.0%	62346-04-7
195928	4-Nitrophenyl 3,4,6-tri-O-(alpha-D-mannopyranosyl)- beta-D-mannopyranoside, >98.0%	
195929	4-Nitrophenyl 3, 6-di-O-(alpha-D-mannopyranosyl)- beta-D-mannopyranoside, >98.0%	
195930	4-Nitrophenyl 4-O-(2,3,4,6-tetra-O-acetyl- beta-D-galacto pyranosyl)-2,3,6-tri-O-acetyl- beta-D-thioglucopyranoside, >98.0%	27894-81-1
195931	4-Nitrophenyl 4-O-(beta-D-mannopyranosyl)- beta-D-glucopyranoside, >98.0%	
195932	4-Nitrophenyl 4,6-benzylidene-2-O-(2,3,4,6-tetra-O-[4-methoxybenzyl]-alpha-D-glucopyranosyl)-alpha-D-glucopyranoside, >98.0%	
195933	4-Nitrophenyl 4,6-benzylidene-3-O-(2,3,4,6-tetra-O- [4-methoxybenzyl]-alpha-D-glucopyranosyl)-alpha-D-glucopyranoside, >98.0%	
195934	4-Nitrophenyl 4,6-benzylidene-alpha-D-glucopyranoside, >98.0%	260674-88-5
195935	4-Nitrophenyl 4,6-benzylidene-beta-D-glucopyranoside, >98.0%	61169-00-4
195936	4-Nitrophenyl 4,6-cyclohexylidene- beta-D-mannopyranoside, >98.0%	102717-16-8
195937	4-Nitrophenyl 4,6-O-benzylidene-3-O-(2,3,4,6-tetra-O-acetyl-beta-D-glucopyranosyl)- beta-D-glucopyranoside, >98.0%	
195938	4-Nitrophenyl 6'-deoxy-6'-(2-pyridylamino)- alpha-D-pentalpha-(1-4)-glucopyranoside, >98.0%	100111-14-6
195939	4-Nitrophenyl 6-O-DMT-2,3,4-tri-O-levulinoyl- alpha-D-mannopyranoside, >98.0%	
195940	4-Nitrophenyl 6-O-DMT-alpha-D-mannopyranoside, >98.0%	
195941	4-Nitrophenyl 6-O-trityl-alpha-D-glucopyranoside, >98.0%	655246-35-8
195942	2-Nitrophenyl 6-O-trityl-beta-D-galactopyranoside, >98.0%	114102-89-5
195943	3-Nitrophenyl alpha-D-galactopyranoside, >98.0%	52571-71-8
195944	4-Nitrophenyl alpha-D-maltopyranoside, >98.0%	17400-77-0
195945	4-Nitrophenyl alpha-D-mannopyranoside, >98.0%	10357-27-4

195946	4-Nitrophenyl alpha-D-xylopyranoside, >98.0%	10238-28-5
195947	4-Nitrophenyl alpha-D-xylopyranoside, >98.0%	6892-58-6
195948	4-Nitrophenyl alpha-L-arabinopyranoside, >98.0%	1223-07-0
195949	4-Nitrophenyl alpha-L-fucopyranoside, >98.0%	10231-84-2
195950	4-Nitrophenyl alpha-L-rhamnopyranoside, >98.0%	18918-31-5
195951	4-Nitrophenyl beta-D-cellobioside, >98.0%	3482-57-3
195952	2-Nitrophenyl beta-D-cellobioside, >98.0%	70867-33-3
195953	2-Nitrophenyl beta-D-cellobioside heptaacetate, >98.0%	
195954	4-Nitrophenyl beta-D-cellobioside heptaacetate, >98.0%	
195955	4-Nitrophenyl beta-D-cellopentaoside, >98.0%	129411-63-8
195956	4-Nitrophenyl beta-D-cellopentaoside hexadecaacetate, >98.0%	
195957	4-Nitrophenyl beta-D-cellotetraoside, >98.0%	129411-62-7
195958	4-Nitrophenyl beta-D-celotrioside, >98.0%	106927-48-4
195959	2-Nitrophenyl beta-D-fucopyranoside, >98.0%	1154-94-5
195960	4-Nitrophenyl beta-D-fucopyranoside, >98.0%	1226-39-7
195961	4-Nitrophenyl beta-D-galactofuranoside, >98.0%	
195962	3-Nitrophenyl beta-D-galactopyranoside, >98.0%	3150-25-2
195963	2-Nitrophenyl beta-D-galactopyranoside-6-phosphate cyclohexylammonium salt, >98.0%	25405-62-3
195964	4-Nitrophenyl beta-D-galactopyranoside hydrate, >98.0%	200422-18-0
195965	3-Nitrophenyl beta-D-glucopyranoside, >98.0%	
195966	4-Nitrophenyl beta-D-glucuronide, >98.0%	10344-94-2
195967	2-Nitrophenyl beta-D-glucuronide, >98.0%	137629-36-8
195968	4-Nitrophenyl beta-D-glucuronide sodium salt, >98.0%	89772-41-8
195969	4-Nitrophenyl beta-D-lactopyranoside, >98.0%	4419-94-7
195970	4-Nitrophenyl beta-D-maltopyranoside, >98.0%	56846-39-0
195971	4-Nitrophenyl beta-D-mannopyranoside, >98.0%	35599-02-1
195972	2-Nitrophenyl beta-D-thiogalactopyranoside, >98.0%	1158-17-4
195973	4-Nitrophenyl beta-D-thiogalactopyranoside, >98.0%	1230-27-9
195974	4-Nitrophenyl beta-D-thiomannopyranoside, >98.0%	55385-51-8
195975	2-Nitrophenyl beta-D-xylobioside, >98.0%	157956-98-4
195976	2-Nitrophenyl beta-D-xylopyranoside, >98.0%	10238-27-4
195977	4-Nitrophenyl beta-D-xylopyranoside, >98.0%	2001-96-9
195978	4-Nitrophenyl beta-L-arabinopyranoside, >98.0%	72732-54-8
195979	4-Nitrophenyl beta-L-fucopyranoside, >98.0%	22153-71-5
195980	2-Nitrophenyl beta-L-fucopyranoside, >98.0%	
195981	4-Nitrophenyl heptalpha-O-acetyl-beta-lactoside, >98.0%	84034-75-3
195982	4-Nitrophenyl N, N', N''-triacetyl-beta-D-chitotriose, >98.0%	7699-38-9
195983	4-Nitrophenyl N, N'-diacetyl-beta-D-chitobioside, >98.0%	7284-16-4
195984	2-O-(2-Nitrophenyl)-alpha-D-N-acetylneuraminic acid, >98.0%	15707-92-1
195985	2-O-(4-Nitrophenyl)-alpha-D-N-acetylneuraminic acid, ammonium salt, >98.0%	210418-02-3
195986	2-O-(4-Nitrophenyl)-alpha-D-N-glycolylneuraminic acid, >98.0%	
195987	Naphthol AS-BI beta-D-galactopyranoside, >98.0%	51349-63-4
195988	Naphthol AS-BI beta-D-glucuronide, >98.0%	37-87-6

195989	Nonyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	173725-28-5
195990	Nonyl 2-acetamido-3,4,6-tri-O-acetyl- 2-deoxy-beta-D-glucopyranoside, >98.0%	173725-23-0
195991	Nonyl beta-D-glucopyranoside, >98.0%	69984-73-2
195992	Nonyl beta-D-maltopyranoside, >98.0%	106402-05-5
195993	Nonyl beta-D-thioglucopyranoside, >98.0%	98854-15-0
195994	Nonyl beta-D-thiomaltopyranoside, >98.0%	148565-55-3
195995	Octyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	147126-58-7
195996	Octyl-beta-D-glucopyranoside, >98.0%	29836-26-8
195997	Octyl-2,3,4,6-tetra-O-acetyl-beta-D-glucopyranoside, >98.0%	38954-67-5
195998	Octadecyl 2-acetamido-3,4,6-tri-O-acetyl-2-deoxy- beta-D-glucopyranoside, >98.0%	135198-09-3
195999	Octanoyl-D-glucopyranoside, >98.0%	
196000	Octadecylthioethyl 4-O-(a-D-galactopyranosyl)- b-D-galactopyranoside, >98.0%	87019-34-9
196001	Octyl-beta-D-glucuronide methyl ester, >98.0%	
196002	Octyl 4-O-(a-D-glucopyranosyl)-beta-D-glucopyranoside, >98.0%	82494-08-4
196003	Octyl 4-O-(b-D-galactopyranosyl)-beta-D-glucopyranoside, >98.0%	74513-17-0
196004	2-(N-Octylcarboamido)phenyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	
196005	2-(N-Octylcarboamido)phenyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D- glucopyranoside, >98.0%	
196006	Octyl-2-acetamido-3,4,6-tri-O-acetyl-2-deoxy-beta-D-glucopyranoside, >98.0%	173725-22-9
196007	Octyl-2,3,4,6-tetra-O-acetyl-beta-D-thioglucopyranoside, >98.0%	85618-26-4
196008	Octyl-beta-D-thiomaltopyranoside, >98.0%	148616-91-5
196009	Octyl-beta-D-thioglucopyranoside, >98.0%	85618-21-9
196010	1,2,3,4,6-Penta-O-acetyl-alpha-D-galactopyranose, >98.0%	4163-68-9
196011	1,2,3,4,6-Penta-O-acetyl-beta-D-glucopyranose, >98.0%	604-68-9
196012	1,2,3,4,6-Penta-O-acetyl-alpha-D-mannopyranose, >98.0%	4163-59-6
196013	1,2,3,4,6-Penta-O-benzoyl-alpha-D-glucopyranose, >98.0%	22415-91-4
196014	1,2,3,4,6-Penta-O-benzoyl-beta-D-galactose, >98.0%	41545-55-5
196015	1,2,3,4,6-Penta-O-benzoyl-alpha-D-mannopyranose, >98.0%	
196016	1,2,3, 5,6-Penta-O-propanoyl-D-glucufuranose, >98.0%	307531-77-7
196017	Phenophthalein glucuronide sodium salt, >98.0%	6820-54-8
196018	Phenyl beta-D-thioglucopyranoside, >98.0%	2936-70-1
196019	Phenylethyl 2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	197574-94-0
196020	Phenylethyl beta-D-thiogalactopyranoside, >98.0%	63407-54-5
196021	Phenylethyl beta-D-thioglucopyranoside, >98.0%	
196022	Resorufin beta-D-galactopyranoside, >98.0%	95079-19-9
196023	Resorufin beta-D-glucopyranoside, >98.0%	101490-85-1
196024	Resorufin beta-D-glucuronide sodium salt, >98.0%	125440-91-7
196025	tert-Amyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	262849-66-1
196026	1,2,3, 5-Tetra-O-acetyl-D-ribofuranose, >98.0%	13035-61-5
196027	2,3,4,6-Tetra-O-acetyl-alpha-D-mannopyranosyl trichloroacetimidate, >98.0%	
196028	2,3,4,6-Tetra-O-benzoyl-alpha-D-glucopyranosyl trichloroacetimidate, >98.0%	
196029	2,3,4,6-Tetra-O-benzoyl-beta-D-glucopyranosyl trichloroacetimidate, >98.0%	
196030	2,3,4,6-Tetra-O-benzyl-D-galactopyranose, >98.0%	53081-25-7
196031	2,3,4,6-Tetra-O-benzyl-D-glucopyranose, >98.0%	4132-28-9

196032	5-Thio-D-glucose, >98.0%	20408-97-3
196033	3,4,6-Tri-O-acetyl-alpha-D-galactopyranose-1,2-(methyl orthoacetate), >98.0%	50801-29-1
196034	3,4,6-Tri-O-acetyl-alpha-D-glucopyranose-1,2-(methyl orthoacetate), >98.0%	3254-16-8
196035	3,4,6-Tri-O-acetyl-D-galactal, >98.0%	4098-06-0
196036	3,4,6-Tri-O-acetyl-D-glucal, >98.0%	2873-29-2
196037	2,3,4-Tri-O-benzoyl-alpha-D-glucopyranuronic acid methyl ester, trichloroacetimidate, >98.0%	169557-99-7
196038	2,3,4-Tri-O-benzoyl-L-fucopyranose, >98.0%	485821-70-3
196039	2,3,4,6-Tetra-O-Pivaloyl-alpha-D-glucopyranosyl Bromide, >98.0%	
196040	1,3,5-Tri-O-benzoyl-2-deoxy-2-fluoro-alpha-D-arabinose, >98.0%	97614-43-2
196041	2,3,4-Tri-O-benzyl-1-S-ethyl-L-thiofucopyranoside, >98.0%	116391-11-8
196042	2,3,4,6-Tetra-O-acetyl-beta-D-glucopyranosyl trichloroacetimidate, >98.0%	
196043	4-Trifluoromethylumbelliferyl-alpha-D-N-acetylneuraminic acid, >98.0%	
196044	4-Trifluoromethylumbelliferyl-beta-D-galactopyranoside, >98.0%	117153-55-6
196045	1,3,5-Tri-O-benzoyl-alpha-D-ribofuranose, >98.0%	222224-41-5
196046	Undecyl-2-acetamido-2-deoxy-beta-D-glucopyranoside, >98.0%	152914-68-6
196047	Undecyl-beta-D-thiomaltopyranoside, >98.0%	148565-57-5
196048	Undecyl-beta-D-glucopyranoside, >98.0%	70005-86-6
196049	Undecyl-beta-D-maltoside, >98.0%	253678-67-0
196050	Undecylenyl beta-D-maltoside, >98.0%	
121421	Coomassie Brilliant Blue R-250, BR	6104-59-2
121410	Coomassie Brilliant Blue G-250, BR	6104-58-1
164270	1,10-Phenanthroline monohydrate, BR	5144-89-8
146181	8-Hydroxyquinoline, BR	148-24-3
181261	Thymol;2-isopropyl-5-methyl phenol, BR	89-83-8
181270	Thymol blue, BR	76-61-9
113801	Bromothymol blue, BR	76-59-5
156661	Methylthymol blue sodium salt, BR	1945-77-3
181301	Thymolphthalein, BR	125-20-2
173161	Semixylenol orange, BR	19329-67-0
186130	Xylenol Orange sodium salt, BR	63721-83-5
164470	Phenol red, BR	143-74-8
164410	Phenolphthalein, BR	77-09-8
136001	Eriochrome® Black T, BR	1787-61-7
136021	Eriochrome Blue Black R, BR	2538-85-4
120030	Chromazurol S, BR	1667-99-8
101301	Acid chrome blue K, BR	3270-25-5
122110	Cresol Red, BR	1733-12-6
155781	Methyl Orange, BR	547-58-0
156330	Methyl Red, BR	493-52-7
156370	Methyl Red Sodium Salt, BR	845-10-3
154290	Methyl Blue, BR	28983-56-4
154910	Methylene Blue trihydrate, BR	7220-79-3
156970	Methyl Violet 2B, BR	8004-87-3



122201	Crystal violet, BR	548-62-9
156341	m-Methyl red, BR	20691-84-3
140161	Basic Fuchsin, BR	632-99-5
151850	Malachite Green, BR	569-64-2
122081	o-Cresolphthalein, BR	596-27-0
122090	o-Cresolphthalein Complexone, BR	2411-89-4
105710	Aluminon, BR	569-58-4
172461	Sodium rhodizonate, BR	523-21-7
119561	Chlorophosphonazo I, BR	85561-96-2
102961	Alizarin Red S, BR	130-22-3
102981	Mordant Yellow 1; Alizarin Yellow GG, BR	584-42-9
102990	Mordant Orange 1, BR	2243-76-7
185950	Wright's stain, BR	68988-92-1
135630	Eosin Y alcohol solution, BR	15086-94-9
135641	Eosin Y, BR	17372-87-1
108810	Azure B, BR	531-55-5
108830	Azure II, BR	37247-10-2
132041	Dimethylglyoxime, BR	95-45-4
129101	Silver N, N-diethyldithiocarbamate, BR	1470-61-7
129110	Sodium diethyldithiocarbamate trihydrate, BR	20624-25-3
114707	Bromocresol green, BR	76-60-8
112961	Bromocresol Green Sodium, BR	62625-32-5
112970	Bromocresol Purple, BR	115-40-2
139470	Fluorescein disodium salt, BR	517-47-8
111850	Bismarck Brown Y, BR	10114-58-6
172630	Safranin T, BR	477-73-6
115421	Fluorexon, BR	1461-15-0
121381	Direct Red 28, BR	573-58-0
160521	4-Nitrophenol, BR	100-02-7
160501	2-Nitrophenol, BR	88-75-5
117030	Pyrocatechol Violet, BR	115-41-3
150981	Litmus, BR	1393-92-6
177621	Sudan I, BR	842-07-9
177630	Sudan II, BR	3118-97-6
177641	Sudan III, BR	85-86-9
177650	Sudan IV, BR	85-83-6
159141	Neutral Red, BR	553-24-2
157481	Murexide, BR	3051-09-0
112401	Brilliant Green, BR	633-03-4
103041	Alkali Blue 6B, BR	1324-80-7
158201	Naphthol Green B, BR	19381-50-1
121930	Coumarin, BR	91-64-5
185390	Vanillin, BR	121-33-5

104880	4-Amino-N, N-diethylaniline sulfate salt, BR	6283-63-2
186110	Xylene Cyanol FF, BR	2650-17-1
141021	Giema's stain, BR	51811-82-6
143350	Hematoxylin, BR	517-28-2
184170	Trypan Blue, BR	72-57-1
113550	Bromophenol blue,, BR	115-39-9
138881	Evan's blue, BR	314-13-6
101430	Acridine Orange, AO, BR	10127-02-3
172630	Safranin O, BR	477-73-6
171981	Rhodamine B, BR	81-88-9
155781	Methyl orange(Orange III), BR	547-58-0
167776	Ponceau S, BR	6226-79-5
167770	Ponceau 2R, BR	3761-53-3
111610	Hoechst 33258, BR	23491-45-4

**Packaging material**

Code	Product	Grade/Purity
HC1131	8ml Flip turnover dropper bottle	
HC1135	12ml Flip turnover dropper bottle	
HC1162	15ml Flip turnover dropper bottle	
HC1163	25ml Flip turnover dropper bottle	
HC1171	5ml bottle with burette	
HC1181	10ml bottle with burette	
HC1390	3ml Screw Neck Vials with Cap/Plug	
HC1391	5ml Screw Neck Vials with Cap/Plug	
HC1393	8ml Screw Neck Vials with Cap/Plug	
HC1393	10ml Screw Neck Vials with Cap/Plug	
HC1431	4ml Narrow-Mouth, Screwthread Plastic Bottle with cap	white, nature or black
HC1441	8ml Narrow-Mouth, Screwthread Plastic Bottle with cap	white, nature or black
HC1451	15ml Narrow-Mouth, Screwthread Plastic Bottle with cap	white, nature or black
HC1461	30ml Narrow-Mouth, Screwthread Plastic Bottle with cap	white, nature or black
HC1470	50ml Narrow-Mouth, Screwthread Plastic Bottle with cap	white, nature or black
HC1471	60ml Narrow-Mouth, Screwthread Plastic Bottle with cap	white, nature or black
HC1481	125ml Narrow-Mouth, Screwthread Plastic Bottle with cap	white, nature or black
HC1491	250ml Narrow-Mouth Screwthread Plastic Bottle with cap	white, nature or black
HC1728Z3	50ml Wide-mouth glass bottle with plastic cap	Bottle: transparent or brown, multicolor cap
HC1729Z3	60ml Wide-mouth glass bottle with plastic cap	Bottle: transparent or brown, multicolor cap
HC1730Z3	75ml Wide-mouth glass bottle with plastic cap	Bottle: transparent or brown, multicolor cap
HC1731Z3	100ml Wide-mouth glass bottle with plastic cap	Bottle: transparent or brown, multicolor cap
HC1732Z3	120ml Wide-mouth glass bottle with plastic cap	Bottle: transparent or brown, multicolor cap
HC1733Z3	150ml Wide-mouth glass bottle with plastic cap	Bottle: transparent or brown, multicolor cap
LSG60	60ml Zip-top wide mouth bottle(black)	white, nature or black
HC1573	125ml Zip-top wide mouth bottle	white, nature or black
HC1571	250ml Zip-top wide mouth bottle	white, nature or black

LSG450	450ml Zip-top wide mouth bottle	white, nature or black
LSG550	550ml Zip-top wide mouth bottle	white, nature or black
LSG750	750ml Zip-top wide mouth bottle	white, nature or black
LSG950	950ml Zip-top wide mouth bottle	white, nature or black
LSG1500	1500ml Zip-top wide mouth bottle	white, nature or black
LSG2500	2500ml Zip-top wide mouth bottle	white, nature or black
HC110108	Fluorescence-based Microwell™ Plate, High binding (black, flat-bottomed, detachable)	8well*12strip
HC110112	Fluorescence-based Microwell™ Plate, High binding (black, flat-bottomed, detachable)	12well*8strip
HC110208	Fluorescence-based Microwell™ Plate, High binding (white, flat-bottomed, detachable)	8well*12strip
HC110212	Fluorescence-based Microwell™ Plate, High binding (white, flat-bottomed, detachable)	12well*8strip
HC105108G5	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	8well*12strip
HC105112G5	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	12well*8strip
HC105108G10	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	8well*12strip
HC105112G10	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	12well*8strip
HC105108G15	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	8well*12strip
HC105112G15	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	12well*8strip
HC105108K8	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	8well*12strip
HC105112K8	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	12well*8strip
HC105108K4	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	8well*12strip
HC105112K4	Nunc <sup>®</sup> Microwell™ Plates, High binding (transparent, flat-bottomed, detachable)	12well*8strip
HC102108	Nunc <sup>®</sup> Microwell™ Plates (transparent, flat-bottomed)	8well*12strip
HC102112	Nunc <sup>®</sup> Microwell™ Plates (transparent, flat-bottomed)	12well*8strip

### Molecular biology

Code	Product
196052	FastDNA <sup>®</sup> Spin Kit for Soil
196053	GENECLEAN <sup>®</sup> TURBO
196054	GENECLEAN <sup>®</sup> TURBO
196055	GENECLEAN <sup>®</sup> TURBO FOR PCR
196056	GENECLEAN <sup>®</sup> TURBO FOR PCR
196057	GENECLEAN <sup>®</sup> TURBO 96
196058	GENECLEAN <sup>®</sup> TURBO 96

### Culture medium

Code	Product	CAS
163101	Paraformaldehyde, reagent grade	30525-89-4
163783	Peptone, Biotech	73049-73-7
163850	Proteose peptone, Assay(oxidimetric): >99.5%	91079-38-8
163803	Polypeptone, Japan	N/A
163810	Casein sodium salt from bovine milk, sigma C8654	91079-40-2

184310	Tryptone, Oxiod	73049-73-7
186201	Yeast Extract, Oxiod	8013-01-2
102285	Agar powder, 1200P/cm <sup>2</sup> , ≥1200g/cm <sup>2</sup>	9002-18-0
150081	Lecithin from soybean, Biotech	8002-43-51
50010	Agar powder, Biotech	
50020	Agar powder, Biotech	
28981	Agar powder, Biotech	
50030	Agar stripe, Biotech	
50060	Beef extract, Biotech	
50061	Beef extract, Biotech	
50062	Beef extract, Biotech	
50070	Yeast extract, Biotech	
50071	Yeast extract, Biotech	
50072	Yeast extract, Biotech	
50080	Beef extract powder, Biotech	
50090	Beef extract powder, Biotech	
50092	Beef extract powder, Biotech	
50093	Beef extract powder, Biotech	
50094	Beef extract powder, Biotech	
50327	Malt extract powder, Biotech	
50100	Bile Salt (Bovine), Biotech	
50110	Bile Salt (porcin), Biotech	
50120	Bile salts No. 3, Biotech	
50130	Sodium deoxycholate, Biotech	
50140	Soy lecithin, Biotech	
50150	Yolk lecithin, Biotech	
50170	Peptone, Biotech	
50171	Bacteriological peptone, Biotech	
50180	Peptone (F403), Biotech	
50160	Peptone, Biotech	
50161	Peptone, Biotech	
50190	Tryptone, Biotech	
050190A	Tryptone, Biotech	
50192	Tryptone, Biotech	
50193	Tryptone, Biotech	
50210	Proteose peptone, Biotech	
50220	Soy peptone, Biotech	
50260	Lactoalbumin hydrolysate, Biotech	
50270	Casein peptone hydrolysate(acid), Biotech	
50204	Polypeptone, Biotech	
50250	Peptone (coillaspp), Biotech	
82047	Compound pectinase, Biotech	
50290	Casein, Biotech	

50300	Lactose, Biotech
82011	alpha-Amylase, Biotech
50330	Dextrin, Biotech
50320	Soluble starch, Biotech
50310	Gelatin, Biotech
196059	Dried Brewers Yeast, Protein38-46%
196060	Washed whole brewers yeast, Protein47-55%
196061	Whole inactive bakers yeast, Protein52-65%
196062	Bakers yeast cell wall, Protein34-48%
196063	Specialty yeast extract blend, Protein48-58% , AN/TN20-30%
196064	Brewers yeast extract, Protein46-60% , AN/TN31-46%
196065	Brewers yeast extract, light carbon-treated, Protein58-68% , AN/TN34-46%
196066	Brewers yeast extract, moderately carbon-treated, Protein58-68% , AN/TN34-44%
196067	Low-salt, ultrafiltered bakers yeast extract, Protein60-73% , AN/TN36-50%
196068	Brewers yeast autolysate, Protein37-49% , AN/TN30-44%
196069	Brewers yeast extract, Protein53-63% , AN/TN30-44%
196070	Brewers yeast extract, Protein58-68% , AN/TN37-51%
196071	Specialty yeast extract blend, Protein55-63% , AN/TN28-42%
196072	Unfiltered brewers yeast blend, Protein48-60% , AN/TN28-42%
196073	Brewers yeast extract, Protein40-55% , AN/TN12-25%
196074	Low-salt, bakers yeast extract with 5'nucleo, Protein50-65% , AN/TN15-30%
196075	Low-salt, bakers yeast extract, Protein61-74% , AN/TN27-41%
196076	Bakers yeast extract, Protein52-60% , AN/TN25-39%
196077	Bakers yeast extract, Protein50-60% , AN/TN28-40%
196078	Low-salt, high clarity bakers yeast extract, Protein62-76% , AN/TN28-46%
196079	Low-salt(<2% ), high hydrolyzed(acid) soy protein, Protein52-62% , AN/TN50-60%
196080	Low-salt(<2% ), moderately-hydrolyzed(acid) soy protein, Protein52-58% , AN/TN25-30%
196081	GMO-free, high charity, low endotoxin, extensively enzyme hydrolyzed soy protein, Protein56-65% , AN/TN22-32%
196082	GMO-free, technical grade, enzyme hydrolyzed soy protein, Protein56-65% , AN/TN15-25%
196083	GMO-free, high charity, low endotoxin, enzyme hydrolyzed soy protein, Protein56-65% , AN/TN15-25%
196084	Technical grade, enzyme hydrolyzed casein, Protein83-93% , AN/TN34-42%
196085	Technical grade, enzyme hydrolyzed casein, Protein82-92% , AN/TN23-28%
196086	Refined enzyme hydrolysate of lactalbumin, Protein70-80% , AN/TN40-50%
196087	Pancreatic digest of casein protein, Protein76-89% , AN/TN23-35%
196088	Enzyme hydrolyzed casein, Protein75-90% , AN/TN40-50%
196089	Pancreatic digest of casein protein, Protein81-91% , AN/TN33-31%
196090	Type I Collagen, 3mg/ml
196091	Type I Collagen, 3mg/ml
196092	Type I Collagen, 3mg/ml
196093	Type I Collagen, 3mg/ml
196094	Type I Collagen, 3mg/ml
196095	Type I Collagen, High Concentration, 5mg/ml

196096	Type I Collagen, High Concentration, 5mg/ml
196097	Type I Collagen, High Concentration, 5mg/ml
196098	Type I Collagen, High Concentration, 5mg/ml
196099	Type I Collagen, High Concentration, 5mg/ml
196100	Type I Hydrogel, 1mg/ml
196101	Type I Hydrogel, 1mg/ml
196102	Type I Hydrogel, 1mg/ml
196103	Type I Hydrogel, 1mg/ml
196104	Type I Hydrogel, 1mg/ml
196105	Hydrogel, 3mg/ml
196106	Hydrogel, 3mg/ml
196107	Hydrogel, 3mg/ml
196108	Hydrogel, 3mg/ml
196109	Hydrogel, 3mg/ml

### Activated polyethylene glycol (PEG) derivatives & Block Copolymer

We can provide the Homobifunctional PEG, Heterobifunctional PEG, PEG Amino acid & Multiarm PEG with the functional groups followed.

Code	Product
196151	Hydroxyl(OH)
196152	Amine(NH <sub>2</sub> , CH <sub>2</sub> NH <sub>2</sub> )
196153	Protected amine (Boc or Fmoc)
196154	Maleimide(MAL)
196155	Succinic acid, Succinimide & Succinimidyl ester (SC, NHS, SCM etc.)
196156	ortho-Pyridyldisulfide(OPSS)
196157	N-Succinimidyl-3-(2-pyridyldithiol)propionate(SPDP)
196158	Fluorescein (FITC)
196159	Biotin
196160	Silane
196161	Nitrophenyl carbonate(NPC)
196162	Carboxylic group
196163	Lipid (DSPE)
196164	Aldehyde(ALD, bALD, pALD)
196165	Isocyanate (NCO)
196166	Isothiocyanate (NCS)
196167	Vinylsulfone (VS)
196168	Hydrazide
196169	Acrylate (acryloyl)
196170	Epoxide
196171	Tosylate acid
196172	Mesylate
196173	Thiol(SH)
196174	Azide (N <sub>2</sub> )
196175	Carboxymethyl(CM)

We can provide the Block Copolymer followed as well.

Code	Abbr.	Product	Remarks
196176	mPEG-b-PS	mPEG-block- polystyrene	
196177	mPEG-b-PI	mPEG-block- polyisoprene	
196178	mPEG-b-PAN	mPEG-block- polyacrylonitrile	
196179	mPEG-b-PCL	mPEG-block- poly( $\epsilon$ -caprolactone)	
196180	mPEG-b-PMMA	mPEG-block- poly(methyl methacrylate)	
196181	PHB-b-PEG	Poly((R)-3-hydroxybutyrate)- b-polyethylene glycol	Biodegradable
196182	PHB/V-b-PEG	Poly((R)-3-hydroxybutyrate/valerate)-b-polyethylene glycol (20% V)	Biodegradable
196183	PHB-b-PEG-b-PHB	Poly((R)-3-hydroxybutyrate)- b-polyethylene glycol-b-Poly((R)-3-hydroxybutyrate)	Biodegradable
196184	PHB/V-b-PEG-b-PHB/V	Poly((R)-3-hydroxybutyrate/valerate)-b-polyethylene glycol-b-Poly((R)-3-hydroxybutyrate/valerate (20% V)	Biodegradable
196185	PCL-b-PEG	Poly(caprolactone)-b-polyethylene glycol	Biodegradable
196186	PCL-b-PEG-b-PCL	Poly( $\epsilon$ -caprolactone)-b-polyethylene glycol-b-Poly( $\epsilon$ -caprolactone)	Biodegradable
196187	PLA-b-PEG	Poly(lactide)-b-polyethylene glycol	Biodegradable
196188	PLA-b-PEG-b-PLA	Poly(lactide)-b-polyethylene glycol-b-Poly(lactide)	Biodegradable
196189	PEO-b-PPO	Polyethylene oxide-b-polyphenylene Oxide	
196190	PPO-b-PEO-b-PPO	Polyphenylene Oxide-b-polyethylene oxide-b-polyphenylene Oxide	
196191	PEO-b-PBO	Poly(oxyethylene)-b-poly(oxybutylene)	
196192	PBO-b-PEO-b-PBO	Poly(oxybutylene)-b-poly(oxyethylene)-b-poly(oxybutylene)	
196193	PEO-b-PSO	Poly(oxyethylene)-b-poly(oxystylene)	
196194	PSO-b-PEO-b-PSO	Poly(oxystylene)-b-poly(oxyethylene)-b-poly(oxystylene)	