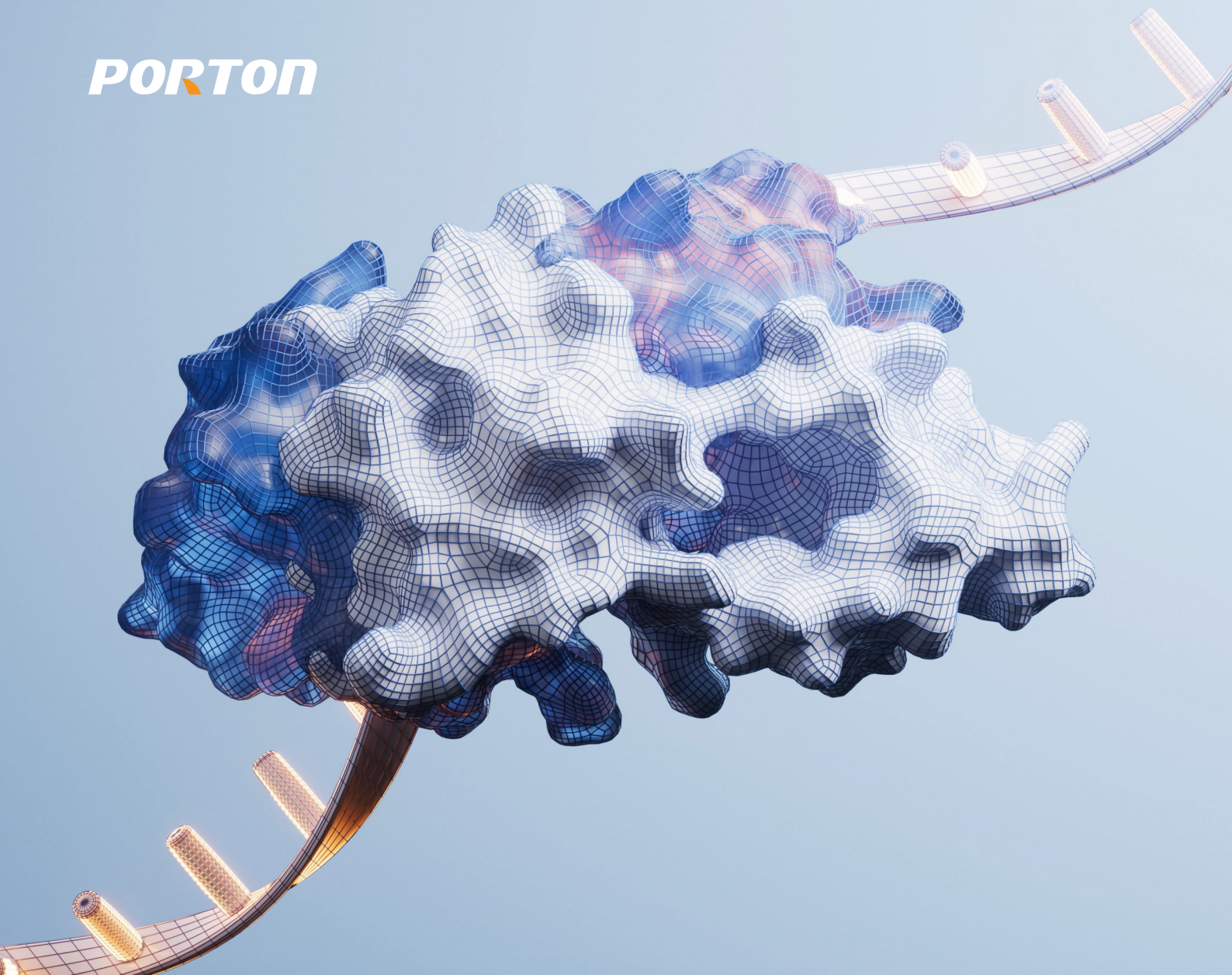




The Building Block for Tides (Peptides & Oligonucleotides)

Catalog Products

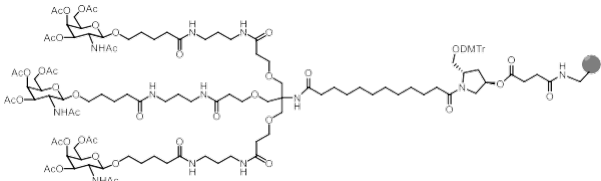
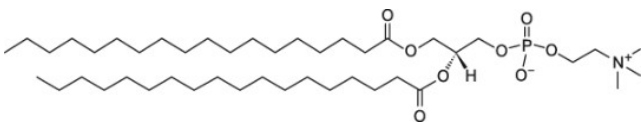
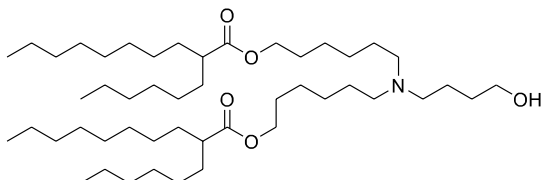
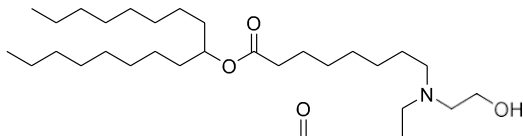
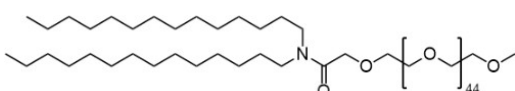
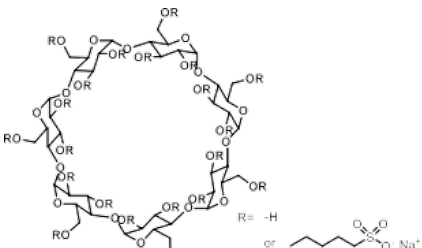
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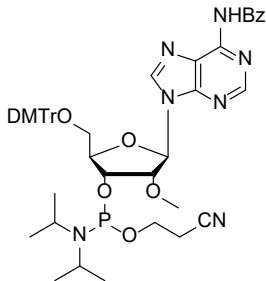
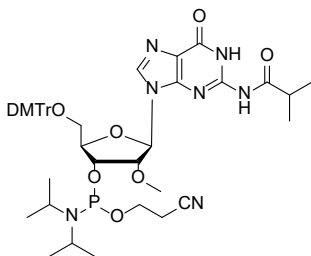
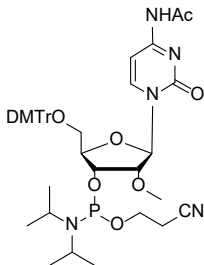
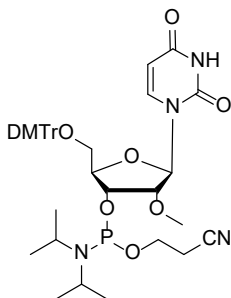
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Highlights

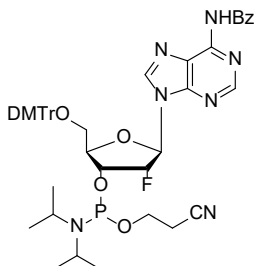
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L96-Resin	N/A			PT-21001
DSPC	816-94-4		1,2-distearoyl-sn-glycero-3-phosphocholine	PT-41303
ALC-0315	2036272-55-4		6-((2-hexyldecanoyl)oxy)-N-(6-((2-hexyldecanoyl)oxy)hexyl)-N-(4-hydroxybutyl)hexan-1-aminium	PT-41101
SM-102	2089251-47-6		8-[(2-hydroxyethyl)[6-oxo-6-(undecyloxy)hexyl]amino]-octanoic acid, 1-octylnonyl ester	PT-41102
ALC-0159	1849616-42-7		Methoxypolyethyleneglycoloxy(2000)-N,N- ditetradecylacetamide	PT-41201
SBE-β-CD	182410-00-0		Betadex Sulfobutyl Ether Sodium	PT-52001

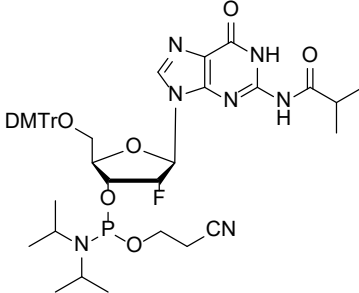
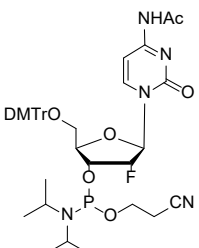
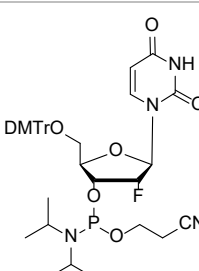
1. Phosphoramidites

1.1 2'-OMe Phosphoramidites

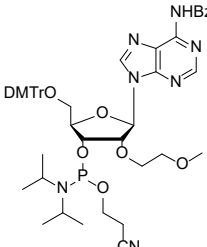
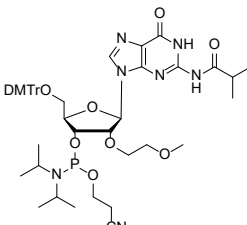
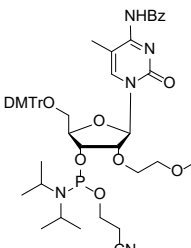
Product Name	CAS	Structure	Chemical Name	Product Code
DMT-2'-OMe-A(Bz)-CE-Phosphoramidite	110782-31-5		N6-benzoyl-5'-O-(4, 4'-Dimethoxytrityl)-2'-O- methyl-Adenosine-3'-CE-Phosphoramidite	PT-11001
DMT-2'-OMe-G(iBu)-CE-Phosphoramidite	150780-67-9		N2-isobutyryl-5'-O-(4, 4'-Dimethoxytrityl)-2'-O- methyl-Guanosine-3'-CE-Phosphoramidite	PT-11002
DMT-2'-OMe-C(Ac)-CE-Phosphoramidite	199593-09-4		N4-acetyl-5'-O-(4, 4'-Dimethoxytrityl)-2'-O- methyl-Cytidine-3'-CE-Phosphoramidite	PT-11003
DMT-2'-OMe-U-CE-Phosphoramidite	110764-79-9		5'-O-(4, 4'-Dimethoxytrityl)-2'-O- methyl-Uridine-3'-CE-Phosphoramidite	PT-11004

1.2 2'-Fluoro Phosphoramidites

Product Name	CAS	Structure	Chemical Name	Product Code
DMT-2'-F-dA(Bz)-CE-Phosphoramidite	136834-22-5		N6-Bz-5'-O-(4, 4'-dimethoxytrityl)-2'-fluoro-2'-deoxyadenosine-3'-CE- Phosphoramidite	PT-12001

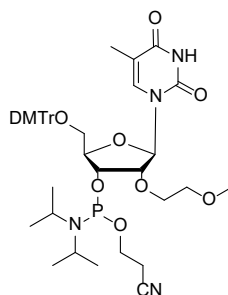
DMT-2'-F-dG(iBu)-CE-Phosphoramidite	144089-97-4		2'-fluoro-N2-isobutyryl-5'-O-(4, 4'-dimethoxytrityl)-2'-deoxyguanosine-3'-CE-Phosphoramidite	PT-12002
DMT-2'-F-dC(Ac)-CE-Phosphoramidite	159414-99-0		N4-acetyl-5'-O-(4, 4'-dimethoxytrityl)-2'-fluoro-2'-deoxycytidine-3'-CE-Phosphoramidite	PT-12003
DMT-2'-F-dU-CE-Phosphoramidite	146954-75-8		5'-O-(4, 4'-dimethoxytrityl)- 2'-fluoro-2'-deoxyuridine-3'-CE-Phosphoramidite	PT-12004

1.3 2'-O-MOE Phosphoramidites

Product Name	CAS	Structure	Chemical Name	Product Code
DMT-2'-O-MOE-A(Bz)-CE-Phosphoramidite	251647-53-7		N6-benzoyl-5'-O-(4, 4'-dimethoxytrityl)-2'-O-methoxyethyl-adenosine-3'- cyanoethyl Phosphoramidite	PT-13001
DMT-2'-O-MOE-G(iBu)-CE-Phosphoramidite	251647-55-9		N2-isobutyryl-5'-O-(4, 4'-dimethoxytrityl)-2'-O-methoxyethyl-guanosine-3'- cyanoethyl Phosphoramidite	PT-13002
5-Me-DMT-2'-O-MOE-C(Bz)-CE-Phosphoramidite	163759-94-2		N4-benzoyl-5-methyl-5'-O-(4, 4'-dimethoxytrityl)-2'-O-methoxyethyl-cytidine-3'- cyanoethyl Phosphoramidite	PT-13003

DMT-2'-O-MOE-T-CE-
Phosphoramidite

163878-63-5



5-methyl-5'-O-(4, 4'-
dimethoxytrityl)-2'-O-
methoxyethyl-uridine-3'-cyanoethyl
Phosphoramidite

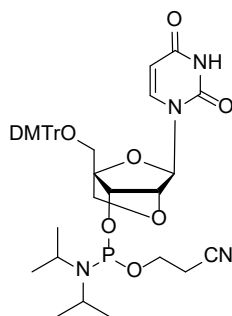
PT-13004

1.4 LNA Phosphoramidites

Product Name	CAS	Structure	Chemical Name	Product Code
DMT-2'-O-4'-C-Locked-A(Bz)r-CE-Phosphoramidite	206055-79-0		N6-benzoyl-5'-O-(4, 4'- dimethoxytrityl)-2'-O-4'-C-Locked- adenosine-3'- cyanoethyl Phosphoramidite	PT-14001
DMT-2'-O-4'-C-Locked-5-Me-C(Bz)r-CE-Phosphoramidite	206055-82-5		N4-benzoyl-5-methyl-5'-O-(4, 4'- dimethoxytrityl)-2'-O-4'-C-Locked- cytidine-3'- cyanoethyl Phosphoramidite	PT-14002
DMT-2'-O-4'-C-Locked-G(dmf)r-CE-Phosphoramidite	N/A		N2-dimethylformamidine-5'-O-(4, 4'- dimethoxytrityl)-2'- O-4'-C-Locked- Guanosine- 3'-cyanoethyl Phosphoramidite	PT-14003
DMT-2'-O-4'-C-Locked-C(Ac)r-CE-Phosphoramidite	N/A		N4-acetyl-5'-O-[Bis(4- methoxyphenyl)phenylmethyl]-2'-O- 4'-C-Locked-cytidine-3'-CE Phosphoramidite	PT-14004

DMT-2'-O-4'-C-
Locked-Ur-CE-
Phosphoramidite

206055-76-7



5'-O-[Bis(4-methoxyphenyl)
phenylmethyl]-2'-O-4'-C- Locked-
uridine-3'-CE Phosphoramidite

PT-14005

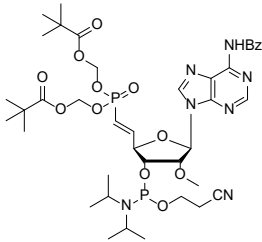
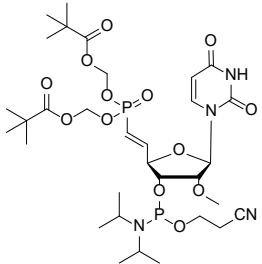
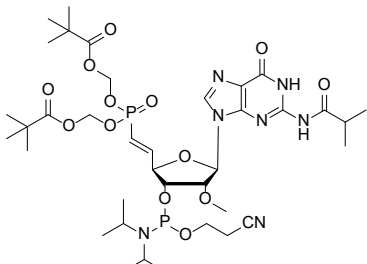
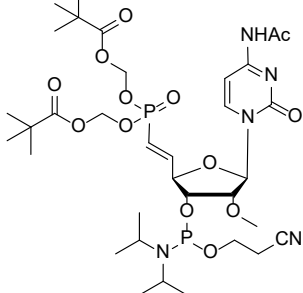
1.5 GNA Phosphoramidites

Product Name	CAS	Structure	Chemical Name	Product Code
(s)-GNA- UPhosphoramidites	494784-15-5		(S)-1-(bis(4-methoxyphenyl)(phenyl)methoxy)-3-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)propan-2-yl (2-cyanoethyl) diisopropylphosphoramidite	PT-15001

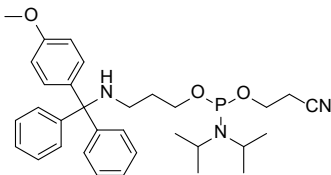
1.6 3' Inverted Phosphoramidites

Product Name	CAS	Structure	Chemical Name	Product Code
DMT-dA(Bz)-CE-Inverted- Phosphoramidite	140712-82-9		N6-benzoyl-3'-O-(4, 4'-dimethoxytrityl)-2'-deoxyadenosine-5'-cyanoethyl Phosphoramidite	PT-16001
DMT-dC(Bz)-CE-Inverted- Phosphoramidite	140712-83-0		N4-benzoyl-3'-O-(4, 4'-dimethoxytrityl)-2'-deoxycytidine-5'-cyanoethyl Phosphoramidite	PT-16002
DMT-dG(iBu)-CE-Inverted- Phosphoramidite	N/A		N2-isobutyryl-3'-O-(4, 4'-dimethoxytrityl)-2'-deoxyguanosine-5'-cyanoethyl Phosphoramidite	PT-16003
DMT-dT-CE-Inverted- Phosphoramidite	134031-86-0		3'-O-(4, 4'-Dimethoxytrityl)-thymidine-5'-cyanoethyl Phosphoramidite	PT-16004

1.7 5'-VP Phosphoramidites

Product Name	CAS	Structure	Chemical Name	Product Code
5'-VP-2'-OMe-A(Bz)-CE-Phosphoramidite	2419895-65-9		((((2-((2R,3R,4R,5R)-5-(6-benzamido-9H-purin-9-yl)-3-((2-cyanoethoxy)(diisopropylamino)phosphanyl)oxy)-4-methoxytetrahydrofuran-2-yl)vinyl)phosphoryl)bis(oxy))bis(methylene) bis(2,2-dimethylpropanoate)	PT-17001
5'-VP-2'-OMe-U-CE-Phosphoramidite	2172373-55-4		((((2-((2R,3R,4R,5R)-3-((2-cyanoethoxy)(diisopropylamino)phosphanyl)oxy)-5-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-4-methoxytetrahydrofuran-2-yl)vinyl)phosphoryl)bis(oxy))bis(methylene) bis(2,2-dimethylpropanoate)	PT-17002
5'-VP-2'-OMe-G(iBu)-CE-Phosphoramidite	N/A		((((2-((2R,3R,4R,5R)-3-((2-cyanoethoxy)(diisopropylamino)phosphanyl)oxy)-5-(2-isobutyramido-6-oxo-1,6-dihydro-9H-purin-9-yl)-4-methoxytetrahydrofuran-2-yl)vinyl)phosphoryl)bis(oxy))bis(methylene) bis(2,2-dimethylpropanoate)	PT-17003
5'-VP-2'-OMe-C(Ac)-CE-Phosphoramidite	N/A		((((2-((2R,3R,4R,5R)-5-(4-acetamido-2-oxypyrimidin-1(2H)-yl)-3-((2-cyanoethoxy)(diisopropylamino)phosphanyl)oxy)-4-methoxytetrahydrofuran-2-yl)vinyl)phosphoryl)bis(oxy))bis(methylene) bis(2,2-dimethylpropanoate)	PT-17004

1.8 Space / Linker

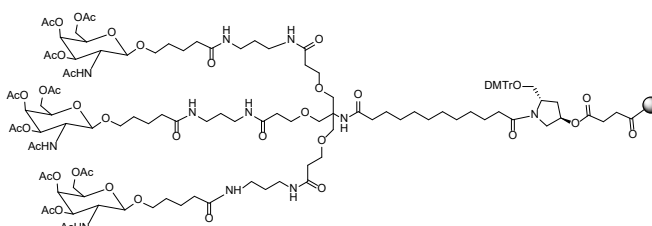
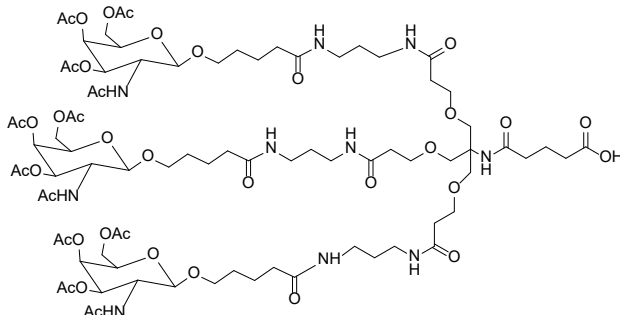
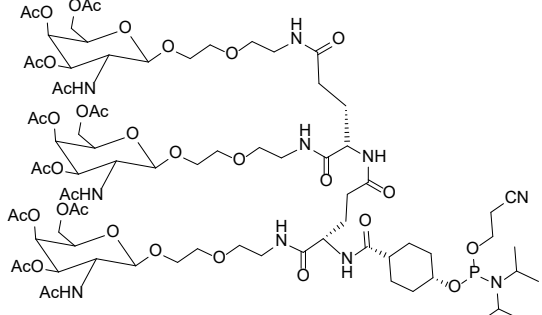
Product Name	CAS	Structure	Chemical Name	Product Code
Monomethoxytrityl-propylamine- linker Phosphoramidite	119462-97-4		2-cyanoethyl (3-(((4-methoxyphenyl)diphenylmethyl)amino)propyl) diisopropylphosphoramidite	PT-18001

Monomethoxytrityl-hexylamine- linker Phosphoramidite	114616-27-2		2-cyanoethyl 6-(((4-methoxyphenyl)diphenylmethyl)amino)hexyl diisopropylphosphoramidite	PT-18002
DMTr-O-Diethyleneglycol Phosphoramidite	N/A		2-(2-(bis(4-methoxyphenyl)(phenyl)methoxy)ethoxy)ethyl (2-cyanoethyl) diisopropylphosphoramidite	PT-18003
DMTr-O-Triethyleneglycol Phosphoramidite	146668-73-7		2-(2-(2-(bis(4-methoxyphenyl)(phenyl)methoxy)ethoxy)ethoxy)ethyl (2-cyanoethyl) diisopropylphosphoramidite	PT-18004
DMTr-O-Tetraethyleneglycol Phosphoramidite	158041-83-9		1,1-bis(4-methoxyphenyl)-1-phenyl-2,5,8,11-tetraoxatridecan-13-yl (2-cyanoethyl) diisopropylphosphoramidite	PT-18005
Thio-modifier C6S-S linker	148254-21-1		6-((6-(bis(4-methoxyphenyl)(phenyl)methoxy)hexyl)disulfanyl)hexyl (2-cyanoethyl) diisopropylphosphoramidite	PT-18006

1.9 Others

Product Name	CAS	Structure	Chemical Name	Product Code
Inverted Abasic Phosphoramidite	401813-16-9		3-[[[(2R,3S)-3-[bis(4-methoxyphenyl)-phenylmethoxy]oxolan-2-yl]methoxy-[di(propan-2-yl)amino]phosphanyl]oxypropenenitrile	PT-19001

2. GalNAc

Product Name	CAS	Structure	Product Code
L96-Resin	N/A		PT-21001
THA8	1637413-82-1		PT-21002
NAG 37	N/A		PT-21003

3. Peptide

3.1 GLP-1 Related

Product Name	CAS	Structure	Chemical Name	Product Code
Boc-Tyr(tBu)-Aib-OH	NA		Boc-Tyr(tBu)-Aib-OH	PT-31001
Boc-Tyr(tBu)-Aib-Glu(OtBu)-Gly-OH	2682040-93-1		Boc-Tyr(tBu)-Aib-Glu(OtBu)-Gly-OH	PT-31002

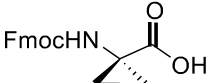
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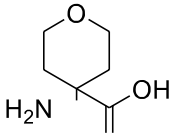
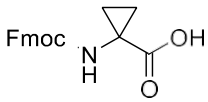
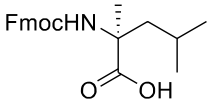
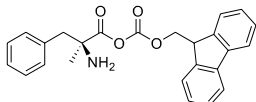
Abbr.	Product Name	CAS	Purity	Chiral impurity	Commercial Availability	Product Code
Ala	Fmoc-Ala-OH	35661-39-3	≥99.5%	≤0.1%	≥ 10 kg	PT-32001
	Boc-Ala-OH	15761-38-3	≥99.5%	≤0.1%	≥ 10 kg	PT-32002
Arg	Fmoc-Arg(Pbf)-OH	154445-77-9	≥99.5%	≤0.1%	≥ 10 kg	PT-32003
Asn	Fmoc-Asn(Trt)-OH	132388-59-1	≥99.5%	≤0.1%	≥ 10 kg	PT-32004
	Z-Asn-OH	2304-96-3	≥99.5%	≤0.1%	≥ 10 kg	PT-32005
	Fmoc-Asn-OH	71989-16-7	≥99.5%	≤0.1%	≥ 10 kg	PT-32006
Asp	Fmoc-Asp(OtBu)-OH	71989-14-5	≥99.5%	≤0.1%	≥ 10 kg	PT-32007
	Fmoc-Cys(Trt)-OH	103213-32-7	≥99.5%	≤0.1%	≥ 10 kg	PT-32008
Gln	Fmoc-Gln(Trt)-OH	132327-80-1	≥99.5%	≤0.1%	≥ 10 kg	PT-32009
	Boc-Gln-OH	13726-85-7	≥99.5%	≤0.1%	≥ 10 kg	PT-32010
Glu	Fmoc-Glu(OtBu)-OH	71989-18-9	≥99.5%	≤0.1%	≥ 10 kg	PT-32011
	H-Glu-OtBu	45120-30-7	≥99.5%	≤0.1%	≥ 10 kg	PT-32012
	H-Glu(OtBu)-OtBu.HCl	32677-01-3	≥99.5%	≤0.1%	≥ 10 kg	PT-32013
	H-Glu(OBzl)-OtBu.HCl	105590-97-4	≥99.5%	≤0.1%	≥ 10 kg	PT-32014
Gly	Fmoc-Gly-OH	29022-11-5	≥99.5%	N/A	≥ 10 kg	PT-32015
	Boc-Gly-OH	4530-20-5	≥99.5%	≤0.1%	≥ 10 kg	PT-32016
His	Boc-His(Boc)-OH .DCHA	31687-58-8	≥99.5%	≤0.1%	≥ 10 kg	PT-32017
	Boc-His(Trt)-OH	32926-43-5	≥99.0%	≤0.1%	≥ 10 kg	PT-32018

	Fmoc-His(Trt)-OH	109425-51-6	≥99.5%	≤0.1%	≥ 10 kg	PT-32019
Ile	Fmoc-Ile-OH	71989-23-6	≥99.5%	≤0.1%	≥ 10 kg	PT-32020
Leu	Fmoc-Leu-OH	35661-60-0	≥99.5%	≤0.1%	≥ 10 kg	PT-32021
Lys	Fmoc-Lys-OH	105047-45-8	≥99.5%	≤0.1%	≥ 10 kg	PT-32022
	Fmoc-Lys(Boc)-OH	71989-26-9	≥99.5%	≤0.1%	≥ 10 kg	PT-32023
	Fmoc-Lys(ivDde)-OH	204777-78-6	≥98.0%	≤0.2%	≥ 10 kg	PT-32024
	Fmoc-Lys(Mtt)-OH	167393-62-6	≥99.5%	≤0.1%	≥ 10 kg	PT-32025
	Fmoc-Lys(Ac)-OH	159766-56-0	≥99.5%	≤0.1%	≥ 10 kg	PT-32026
Met	Fmoc-Met-OH	71989-28-1	≥99.5%	≤0.1%	≥ 10 kg	PT-32027
Phe	Fmoc-Phe-OH	35661-40-6	≥99.5%	≤0.1%	≥ 10 kg	PT-32028
	Boc-Phe-OH	13734-34-4	≥99.5%	≤0.1%	≥ 10 kg	PT-32029
Pro	Z-Pro-OH	1148-11-4	≥99.5%	≤0.1%	≥ 10 kg	PT-32030
	Fmoc-Pro-OH	71989-31-6	≥99.5%	≤0.1%	≥ 10 kg	PT-32031
	Boc-Pro-OH	15761-39-4	≥99.5%	≤0.1%	≥ 10 kg	PT-32032
Ser	Fmoc-Ser(tBu)-OH	71989-33-8	≥99.5%	≤0.1%	≥ 10 kg	PT-32033
	Fmoc-Ser(Trt)-OH	111061-56-4	≥99.5%	≤0.1%	≥ 10 kg	PT-32034
Thr	Fmoc-Thr(tBu)-OH	71989-35-0	≥99.5%	≤0.1%	≥ 10 kg	PT-32035
	H-Thr(tBu)-OMe.HCl	71989-43-0	≥99.5%	≤0.1%	≥ 10 kg	PT-32036
Trp	Fmoc-Trp(Boc)-OH	143824-78-6	≥99.0%	≤0.1%	≥ 10 kg	PT-32037
	Fmoc-Trp-OH	35737-15-6	≥99.5%	≤0.1%	≥ 10 kg	PT-32038
Tyr	Fmoc-Tyr(tBu)-OH	71989-38-3	≥99.5%	≤0.1%	≥ 10 kg	PT-32039
	Fmoc-Tyr-OtBu	133852-23-0	≥99.5%	≤0.1%	≥ 10 kg	PT-32040
	Fmoc-Tyr(Me)-OH	77128-72-4	≥99.5%	≤0.1%	≥ 10 kg	PT-32041
	Boc-Tyr(tBu)-OH	47375-34-8	≥99.5%	≤0.1%	≥ 10 kg	PT-32042
Val	Fmoc-Val-OH	68858-20-8	≥99.5%	≤0.1%	≥ 10 kg	PT-32043
	Boc-Val-OH	13734-41-3	≥99.5%	≤0.1%	≥ 10 kg	PT-32044

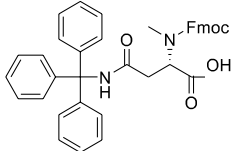
3.3 Unnatural Amino Acids

3.3.1 α-methylated amino acids

Name	CAS	Structure	Availability	Purity	Product Code
Fmoc-Aib-OH	94744-50-0		Commercial ≥ 10 kg	≥99.5%	PT-33101

4-amino-tetrahydro- pyran-4- carboxylic acid	39124-20-4		Commercial ≥ 10 kg	≥99.5%	PT-33102
Fmoc-Ac3c-OH	126705-22-4		Kilo scale 1~5 kg	≥98.5%	PT-33103
Fmoc-αMe-Leu-OH	312624-65-0		Commercial ≥ 5 kg	≥99%	PT-33104
Fmoc-αMe-Phe-OH	135944-05-7		Commercial ≥ 10 kg	≥99%	PT-33105

3.3.2 N-alkylated amino acids

Name	CAS	Structure	Availability	Purity	Product Code
Fmoc-N-Me-Asn(trt)- OH	941296-80-6		Kilo scale 10 kg	≥98%	PT-33201

3.4 Protected peptide fragments

3.4.1 2 mer Peptide Fragments

Abbr.	Sequence	CAS	Availability	Purity	Product Code
PP	Fmoc-Pro-Pro-OH	129223-22-9	Commercial ≥ 10 kg	≥99%	PT-34101
PP	Cbz-Pro-Pro-OH	7360-23-8	Kilo scale 1 kg	≥98.5%	PT-34102
GG	Fmoc-Gly-Gly-OH	35665-38-4	Commercial ≥ 5 kg	≥99%	PT-34103
GG	Cbz-Gly-Gly-OH	N/A	Kilo scale 5 kg	≥98.5%	PT-34104
N/A	Fmoc-Sar-Sar-OH	N/A	Kilo scale 5 kg	≥98.5%	PT-34105

3.4.2 3 mer Peptide Fragments

Abbr.	Sequence	CAS	Availability	Purity	Product Code
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DFE	Cbz-Asp(OtBu)-Phe-Glu(OtBu)-OMe	N/A	Lab scale 1~100 g	≥95%	PT-34201
	Cbz-Asp(OtBu)-Phe-Glu(OtBu)-OH	N/A	Lab scale 1~100 g	≥99%	PT-34202
EIP	Cbz-Glu(OtBu)-Ile-Pro-OMe	N/A	Lab scale 1~100 g	≥98%	PT-34203
	H-Glu(OtBu)-Ile-Pro-OMe	N/A	Lab scale 1~100 g	≥98%	PT-34204
GGG	Fmoc-Gly-Gly-Gly-OH	170941-79-4	Commercial ≥ 5 kg	≥99%	PT-34205
SSG	Cbz-Ser(tBu)-Ser(tBu)-Gly-OMe	N/A	Lab scale 1~100 g	≥99%	PT-34206
PPP	Fmoc-Pro-Pro-Pro-OH	134303-96-1	Lab scale 1~100 g	≥99%	PT-34207
IXL	Cbz-Ile-Aib-Leu-OH	N/A	Lab scale 1~100 g	≥97%	PT-34208
YEG	Boc-Tyr(OtBu)-Glu(OtBu)-Gly-OH	N/A	Lab scale 1~100 g	≥96%	PT-34209
YXG	Boc-Tyr(OtBu)-Aib-Gly-OH	N/A	Lab scale 1~100 g	≥99%	PT-34210
YXE	Boc-Tyr(OtBu)-Aib-Glu(OtBu)-OH	N/A	Lab scale 1~100 g	≥95%	PT-34211
YXQ	Boc-Tyr(OtBu)-Aib-Gln(Trt)-OH	N/A	Lab scale 1~100 g	≥97%	PT-34212
YQG	Boc-Tyr(OtBu)-Gln(Trt)-Gly-OH	N/A	Lab scale 1~100 g	≥90%	PT-34213
HXQ	Boc-His(Trt)-Aib-Gln(Trt)-OH	N/A	Lab scale 1~100 g	≥95%	PT-34214
HQG	Boc-His(Trt)-Gln(Trt)-Gly-OH	N/A	Lab scale 1~100 g	≥96%	PT-34215
HXG	Boc-His(Trt)-Aib-Gly-OH	N/A	Lab scale 1~100 g	≥97%	PT-34216

3.4.3 4 mer Peptide Fragments

Abbr.	Sequence	CAS	Availability	Purity	Product Code
GGGG	Fmoc-Gly-Gly-Gly-Gly-OH	N/A	Lab scale 1~100 g	≥99%	PT-34301
HXQG	Boc-His(Trt)-Aib-Gln(Trt)-Gly-OH	N/A	Lab scale 1~100 g	≥97%	PT-34302
EEYL	H-Glu(OtBu)-Glu(OtBu)-Tyr(OtBu)-Leu-OMe	N/A	Lab scale 1~100 g	≥95%	PT-34303
YXEG	Boc-Tyr(tBu)-Aib-Glu(tBu)-Gly-OH	N/A	Lab scale 1~100 g	≥99%	PT-34304

4. Excipients

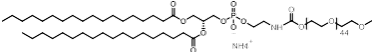
4.1 Lipids

4.1.1 Cationic Ionizable Lipids

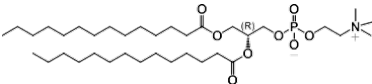
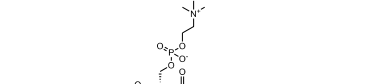
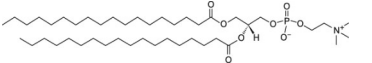
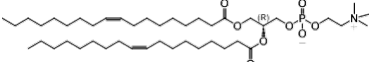
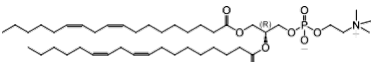
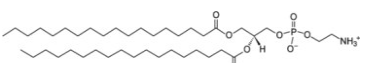
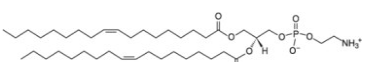
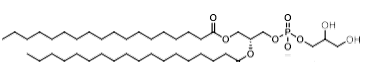
Product Name	CAS	Structure	Chemical Name	Product Code
ALC-0315	2036272-55-4		6-((2-hexyldecanoyl)oxy)-N-(6-((2-hexyldecanoyl)oxy)hexyl)-N-(4-hydroxybutyl)hexan-1-aminium	PT-41101
SM-102	2089251-47-6		8-[(2-hydroxyethyl)[6-oxo-6-(undecyloxy)hexyl]amino]-octanoic acid, 1-octylnonyl ester	PT-41102
Dlin-MC3-DMA	1224606-06-7		4-(dimethylamino)-butanoic acid, (10Z,13Z)-1-(9Z,12Z)-9,12-octadecadien-1-yl-10,13-nonadecadien-1-yl ester	PT-41103
DODMA	104162-47-2		1,2-dioleoyloxy-3-dimethylaminopropane	PT-41104
DOTMA	104872-42-6		1,2-di-O-octadecenyl-3-trimethylammonium propane(chloride salt)	PT-41105
DOTAP	132172-61-3		1,2-dioleoyl-3-trimethylammonium-propane(chloride salt)	PT-41106
DODAP	127512-29-2		3-(dimethylamino)propane-1,2-diyl dioleate	PT-41107

4.1.2 PEGylated Lipids

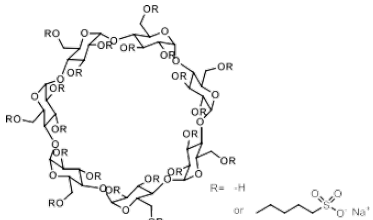
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ALC-0159	1849616-42-7		N,N-ditetradecyl-2,5,8,11,14,17,20,23,26,29,32,35,38,41,44,47,50,53,56,59,62,65,68,71,74,77,80,83,86,89,92,95,98,101,104,107,110,113,116,119,122,125,128,131,134,137-hexatetracontaoxonatriacontahectan-139-amide	PT-41201
DMG-PEG2000	160743-62-4		1,2-dimyristoyl-rac-glycero-3-methoxypolyethylene glycol- 2000	PT-41202
DSG-PEG2000	308805-39-2		1,2-distearoyl-rac-glycerol-3-methoxypolyethylene glycol-2000	PT-41203

DSPE-PEG2000	474922-77-5		1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000] (sodium salt)	PT-41204
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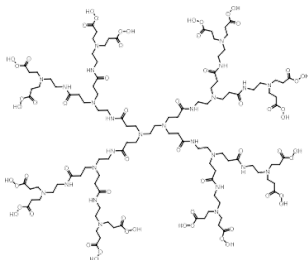
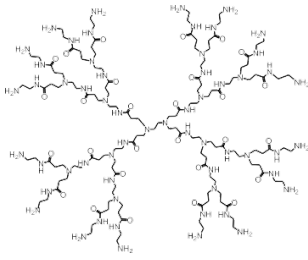
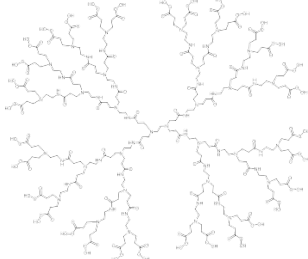
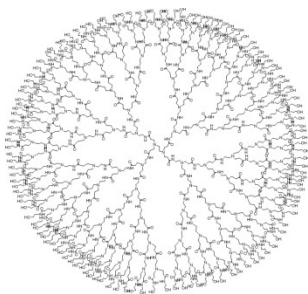
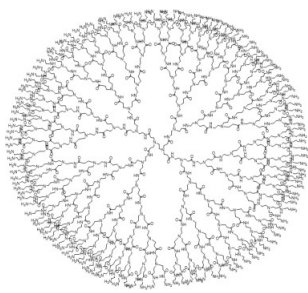
4.1.3 Phospholipids

Product Name	CAS	Structure	Chemical Name	Product Code
DMPC	18194-24-6		1,2-dimyristoyl-sn-glycero-3-phosphocholine	PT-41301
DPPC	63-89-8		1,2-dipalmitoyl-sn-glycero-3-phosphocholine	PT-41302
DSPC	816-94-4		1,2-distearoyl-sn-glycero-3-phosphocholine	PT-41303
DOPC	4235-95-4		1,2-dioleoyl-sn-glycero-3-phosphocholine	PT-41304
DLinPC	998-06-1		1,2-dilinoleoyl-sn-glycero-3-phosphocholine	PT-41305
DSPE	1069-79-0		1,2-distearoyl-sn-glycero-3-phosphoethanolamine	PT-41306
DOPE	4004-05-1		1,2-dioleoyl-sn-glycero-3-phosphoethanolamine	PT-41307
DSPG	200880-42-8		sodium (R)-2,3-bis(stearoyloxy)propyl (2,3-dihydroxypropyl) phosphate	PT-41308

4.2 β -cyclodextrin

Product Name	CAS	Structure	Chemical Name	Product Code
SBE- β -CD	182410-00-0		Betadex Sulfobutyl EtherSodium	PT-42001

4.3 Dendrimers

Product Name	CAS	Structure	Chemical Name	Product Code
PAMAM-G2-OH	93376-66-0		PAMAM Dendrimer G2-OH	PT-43001
PAMAM-G2-NH2	163442-70-4		PAMAM Dendrimer G2-NH2	PT-43002
PAMAM-G3-OH	N/A		PAMAM Dendrimer G3-OH	PT-43003
PAMAM-G5-OH	163442-68-0		PAMAM Dendrimer G5-OH	PT-43005
PAMAM-G5-NH2	N/A		PAMAM Dendrimer G5-NH2	PT-43006

Please note that some of the products mentioned above are still under patent protection and can only be used for R&D as permitted under the specific legal frameworks: 35 U.S.C.§271(e)(1) in the United States; Article 69, Paragraph 1 of the Patent Act in Japan; Directive 2004/27/EC of the European Parliament and Council of 31 March 2004; or Article 69(5) of the Patent Law in the People's Republic of China. We will not manufacture, sell, offer for commercial sale, or distribute these products in or to regions where substance patents are still in effect. Additionally, we cannot be held responsible if the use of any aforementioned products results in patent infringement within your country.

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