

Payload linker

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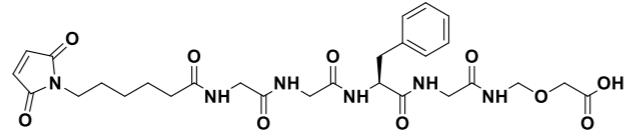
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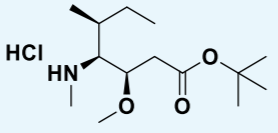
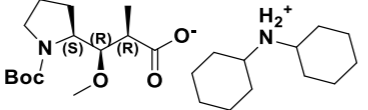
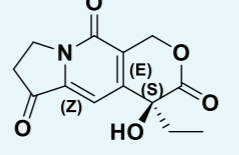
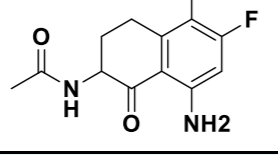
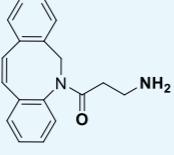
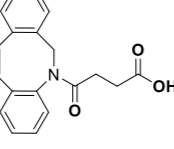
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Payload linker

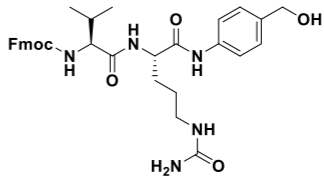
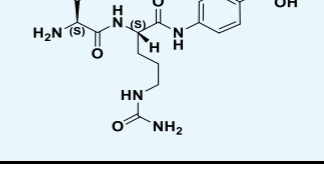
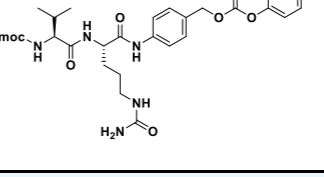
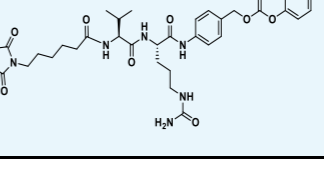
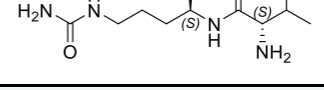
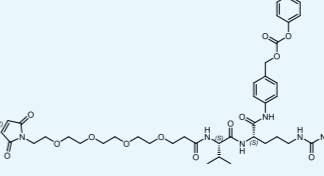
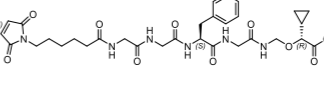
No	Product Name	CAS	Structure	Chemical name	Product Code
1	MC-VC-PAB-MMAE <i>Hot!</i>	646502-53-6		4-(((S)-2-((S)-2-(6-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)hexanamido)-3-methylbutanamido)-5-ureidopentanamido)benzyl ((S)-1-(((S)-1-(((3R,4S,5S)-1-((S)-2-((1R,2R)-3-(((1S,2R)-1-hydroxy-1-phenylpropan-2-yl)amino)-1-methoxy-2-methyl-3-oxopropyl)pyrrolidin-1-yl)-3-methoxy-5-methyl-1-oxoheptan-4-yl)(methyl)amino)-3-methyl-1-oxobutan-2-yl)amino)-3-methyl-1-oxobutan-2-yl)(methyl)carbamate	118487
2	VC-PAB-MMAE	644981-35-1		4-(((S)-2-((S)-2-amino-3-methylbutanamido)-5-ureidopentanamido)benzyl ((S)-1-(((S)-1-(((3R,4S,5S)-1-((S)-2-((1R,2R)-3-(((1S,2R)-1-hydroxy-1-phenylpropan-2-yl)amino)-1-methoxy-2-methyl-3-oxopropyl)pyrrolidin-1-yl)-3-methoxy-5-methyl-1-oxoheptan-4-yl)(methyl)amino)-3-methyl-1-oxobutan-2-yl)amino)-3-methyl-1-oxobutan-2-yl)(methyl)carbamate	125085
3	MMAE <i>Hot!</i>	474645-27-7		(S)-N-((3R,4S,5S)-1-((S)-2-((1R,2R)-3-(((1S,2R)-1-hydroxy-1-phenylpropan-2-yl)amino)-1-methoxy-2-methyl-3-oxopropyl)pyrrolidin-1-yl)-3-methoxy-5-methyl-1-oxoheptan-4-yl)-N,3-dimethyl-2-((S)-3-methyl-2-(methylamino)butanamido)butanamide	118504
4	Fmoc-Val-Cit-PAB-OH	159858-22-7		(9H-fluoren-9-yl)methyl ((S)-1-(((S)-1-((4-(hydroxymethyl)phenyl)amino)-1-oxo-5-ureidopentan-2-yl)amino)-3-methyl-1-oxobutan-2-yl)carbamate	119133

No	Product Name	CAS	Structure	Chemical name	Product Code
5	MC-GGFG-Glycolic acid	1599440-25-1		(S)-10-benzyl-23-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-6,9,12,15,18-pentaoxo-3-oxa-5,8,11,14,17-pentaazatricosanoic acid	127455

Building Blocks

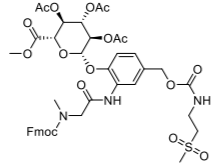
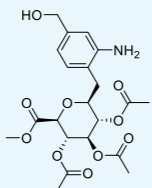
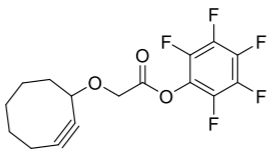
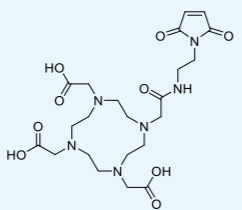
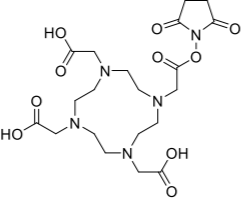
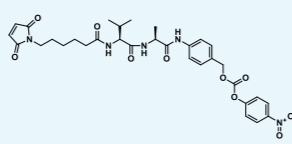
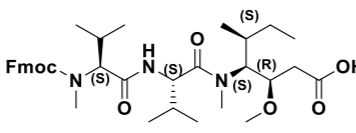
No	Product Name	CAS	Structure	Chemical name	Product Code
1	Dil.HCl	120205-48-3		(3R,4S,5S)-tert-butyl 3-Methoxy-5-Methyl-4-(Methylamino)heptanoate hydrochloride	115956
2	Boc-Dap DCHA	1369427-40-6		N-Boc-Dolaproline DCHA	119990
3	Exatecan Intermediates (94-5)	110351-94-5		(S)-4-ethyl-4-hydroxy-7,8-dihydro-1H-pyrano[3,4-f]indolizine-3,6,10(4H)-trione	127705
4	Exatecan Intermediates (31-6)	182182-31-6		N-(8-amino-6-fluoro-5-methyl-1-oxo-1,2,3,4-tetrahydronaphthalen-2-yl)acetamide	133750
5	DBCO-Amine	1255942-06-3		3-Amino-1-(11,12-didehydrodibenz[b,f]azocin-5(6H)-yl)-1-propanone	127804
6	DBCO-Acid	1353016-70-2		11,12-Didehydro-γ-oxodibenz[b,f]azocine-5(6H)-butanoic acid	133349

Linkers

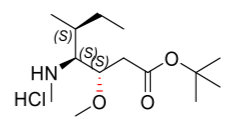
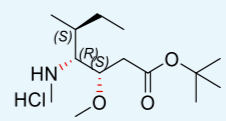
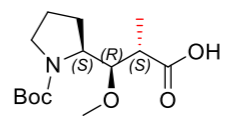
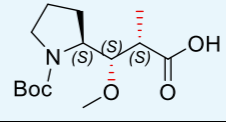
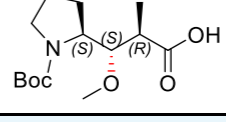
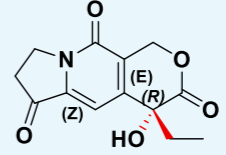
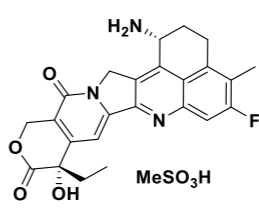
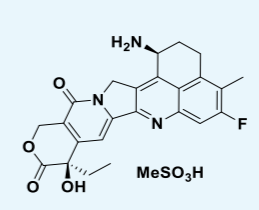
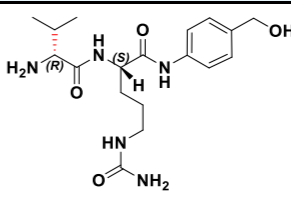
No	Product Name	CAS	Structure	Chemical name	Product Code
1	Fmoc-Val-Cit-PAB-OH	159858-22-7		(9H-fluoren-9-yl)methyl ((S)-1-(((S)-1-((4-(hydroxymethyl)phenyl)amino)-1-oxo-5-ureidopentan-2-yl)amino)-3-methyl-1-oxobutan-2-yl)carbamate	119133
2	Val-Cit-PAB	159857-79-1		(S)-2-((S)-2-amino-3-methylbutanamido)-N-(4-(hydroxymethyl)phenyl)-5-ureidopentanamide	119134
3	Fmoc-Val-Cit-PAB-PNP	863971-53-3		(9H-fluoren-9-yl)methyl ((S)-3-methyl-1-(((S)-1-((4-((4-nitrophenoxy)carbonyloxy)methyl)phenyl)amino)-1-oxo-5-ureidopentan-2-yl)amino)-1-oxobutan-2-yl)carbamate	130711
4	MC-VC-PAB-PNP	159857-81-5		4-((S)-2-((S)-2-(6-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)hexanamido)-3-methylbutanamido)-5-ureidopentanamido)benzyl (4-nitrophenyl) carbonate	119839
5	Val-Cit	159858-33-0		(S)-2-((S)-2-amino-3-methylbutan amido)-5-ureidopentanoic acid	118759
6	mal-PEG4-Val-Cit-PAB-PNP	2112738-09-5		4-((17S,20S)-1-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-17-isopropyl-15,18-dioxo-20-(3-ureidopropyl)-3,6,9,12-tetraoxa-16,19-diazahenicosan-21-amido)benzyl (4-nitrophenyl) carbonate	134198
7	2R,10S)-10-benzyl-2-cyclopropyl-23-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-206,9,12,15,18-pentaoxo-3-oxa-5,8,11,14,17-pentaazatricosanoic acid	2626930-80-9		(2R,10S)-10-benzyl-2-cyclopropyl-23-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-206,9,12,15,18-pentaoxo-3-oxa-5,8,11,14,17-pentaazatricosanoic acid	N/A

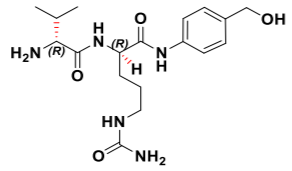
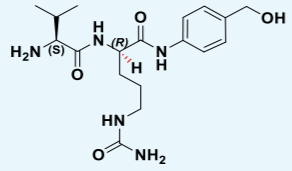
No	Product Name	CAS	Structure	Chemical name	Product Code
8	Phe-Lys(Trt)-PAB	N/A		(S)-2-((S)-2-amino-3-phenylpropanamido)-N-(4-(hydroxymethyl)phenyl)-6-(tritylamino)hexanamide	N/A
9	Fmoc-Phe-Lys(Trt)-PAB	N/A		(9H-fluoren-9-yl)methyl ((S)-1-(((S)-1-((4-(hydroxymethyl)phenyl)amino)-1-oxo-6-(tritylamino)hexan-2-yl)amino)-1-oxo-3-phenylpropan-2-yl)carbamate	134199
10	Fmoc-Phe-Lys(Trt)-PAB-PNP	1116086-09-9		(9H-fluoren-9-yl)methyl ((S)-1-(((S)-1-((4-(4-nitrophenoxy)carbonyloxy)methyl)phenyl)amino)-1-oxo-6-(tritylamino)hexan-2-yl)amino)-1-oxo-3-phenylpropan-2-yl)carbamate	N/A
11	Ala-Ala-Asn(Trt)-PAB	1834515-99-9		(9H-fluoren-9-yl)methyl ((S)-1-(((S)-1-(((S)-1-((4-(hydroxymethyl)phenyl)amino)-1,4-dioxo-4-(tritylamino)butan-2-yl)amino)-1-oxopropan-2-yl)amino)-1-oxopropan-2-yl)carbamate	123826
12	Fmoc-Ala-Ala-Asn(Trt)-PAB-PNP	1438853-39-4		(9H-fluoren-9-yl)methyl ((S)-1-(((S)-1-(((S)-1-((4-(4-nitrophenoxy)carbonyloxy)methyl)phenyl)amino)-1,4-dioxo-4-(tritylamino)butan-2-yl)amino)-1-oxopropan-2-yl)amino)-1-oxopropan-2-yl)carbamate	121737
13	Fmoc-Gly3-Val-Cit-PAB	2647914-09-6		(9H-fluoren-9-yl)methyl ((6S,9S)-1-amino-6-((4-(hydroxymethyl)phenyl)carbonyl)-9-isopropyl-1,8,11,14,17-pentaoxo-2,7,10,13,16-pentaazaoctadecan-18-yl)carbamate	134200
14	Fmoc-Gly3-Val-Cit-PAB-PNP	2647914-16-5		(9H-fluoren-9-yl)methyl ((6S,9S)-1-amino-9-isopropyl-6-((4-((4-nitrophenoxy)carbonyloxy)methyl)phenyl)carbonyl)-1,8,11,14,17-pentaoxo-2,7,10,13,16-pentaazaoctadecan-18-yl)carbamate	N/A

No	Product Name	CAS	Structure	Chemical name	Product Code
15	Py-ds-Prp-OPFP	160580-70-1		perfluorophenyl 3-(pyridin-2-ylsulfanyl)propanoate	133792
16	MAL-di-EG-OPFP	1807512-47-5		perfluorophenyl 3-(2-(2-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)ethoxy)ethoxy)propanoate	133793
17	MAL-tri-EG-OH	2055353-75-6		1-(2,5-Dioxo-2,5-dihydro-1H-pyrrol-1-yl)-3-oxo-7,10,13-trioxa-4-azahexadecan-16-oic acid	134201
18	MAL-tetra-EG-OPFP	1415800-42-8		perfluorophenyl 1-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-3,6,9,12-tetraoxapentadecan-15-oate	133794
19	N3-tri-EG-OPFP	1393330-37-4		perfluorophenyl 3-(2-(2-azidoethoxy)ethoxy)propanoate	133795
20	N3-tetra-EG-OPFP	1353012-00-6		perfluorophenyl 1-azido-3,6,9,12-tetraoxapentadecan-15-oate	133798
21	ALD-tetra-EG-Osu	1353011-74-1		2,5-dioxopyrrolidin-1-yl 1-(4-formylphenyl)-1-oxo-5,8,11,14-tetraoxa-2-azaheptadecan-17-oate	134202
22	ALD-di-EG-OPFP	2101206-60-2		perfluorophenyl 3-(2-(2-(4-formylbenzamido)ethoxy)ethoxy)propanoate	134203
23	PHA-di-EG-Osu	2101206-31-7		2,5-dioxopyrrolidin-1-yl 3-(2-(2-((1,3-dioxoisindolin-2-yl)oxy)ethoxy)ethoxy)propanoate	133799
24	b-D-Glucopyranosiduronic acid	1353003-35-6		allyl (2S,3S,4S,5R,6S)-3,4,5-tris(((allyloxy)carbonyloxy)-6-(4-(hydroxymethyl)-2-nitrophenoxy)tetrahydro-2H-pyran-2-carboxylate	N/A

No	Product Name	CAS	Structure	Chemical name	Product Code
25	MAC glucuronide linker-1	2222981-71-5		(2S,3R,4S,5S,6S)-2-(2-(2-(((9H-fluoren-9-yl)methoxy)carbonyl)(methylamino)acetamido)-4-(((2-(methylsulfonyl)ethyl)carbamoyl)oxy)methyl)phenoxy)-6-(methoxycarbonyl)tetrahydro-2H-pyran-3,4,5-triyl triacetate	N/A
26	MAC glucuronide linker-2	229977-57-5		(2S,3R,4S,5S,6S)-2-(2-amino-4-(hydroxymethyl)phenoxy)-6-(methoxycarbonyl)tetrahydro-2H-pyran-3,4,5-triyl triacetate	133797
27	Cyclooctyne-OPFP	N/A		Perfluorophenyl 2-(cyclooct-2-yn-1-yloxy)acetate	134204
28	Maleimide-DOTA	1006711-90-5		2,2',2''-(10-(2-((2-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)ethyl)amino)-2-oxoethyl)-1,4,7,10-tetraazacyclododecane-1,4,7-triyl)triacetic acid	N/A
29	DOTA-NHS ester	170908-81-3		2,2',2''-(10-(2-((2,5-dioxopyrrolidin-1-yl)oxy)-2-oxoethyl)-1,4,7,10-tetraazacyclododecane-1,4,7-triyl)triacetic acid	N/A
30	MC-Val-Ala-PAB-PNP	1639939-40-4		4-((S)-2-((S)-2-(6-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)hexan amido)-3-methylbutan amido)propanamido)benzyl (4-nitrophenyl)carbonate	133796
31	Fmoc-3vvd-OH	863971-44-2		(5S,8S,11S,12R)-11-((S)-sec-butyl)-1-(9H-fluoren-9-yl)-5,8-diisopropyl-12-methoxy-4,10-dimethyl-3,6,9-trioxo-2-oxa-4,7,10-triazatetradecan-14-oic acid	123187

Standard Reference

No	Product Name	CAS	Structure	Chemical name	Product Code
1	Dil.HCl (3S,4S,5S)	154633-74-6		tert-butyl (3S,4S,5S)-3-methoxy-5-methyl-4-(methylamino)heptanoate hydrochloride	118158
2	Dil.HCl (3S,4R,5S)	/		tert-butyl (3S,4R,5S)-3-methoxy-5-methyl-4-(methylamino)heptanoate hydrochloride	117886
3	Boc-Dap (2S,3R,3S)	133164-08-6		(2S,3R)-3-((S)-1-(tert-butoxycarbonyl)pyrrolidin-2-yl)-3-methoxy-2-methylpropanoic acid	128474
4	Boc-Dap (2S,3S,3S)	157967-07-2		(2S,3S)-3-((S)-1-(tert-butoxycarbonyl)pyrrolidin-2-yl)-3-methoxy-2-methylpropanoic acid	133848
5	Boc-Dap (2R,3S,3S)	157967-06-1		(2R,3S)-3-((S)-1-(tert-butoxycarbonyl)pyrrolidin-2-yl)-3-methoxy-2-methylpropanoic acid	128477
6	(R)-4-ethyl-4-hydroxy-7,8-dihydro-1H-pyrano[3,4-f]indolizine-3,6,10(4H)-trione	/		(R)-4-ethyl-4-hydroxy-7,8-dihydro-1H-pyrano[3,4-f]indolizine-3,6,10(4H)-trione	132066
7	Exatecan (1R,9S)	/		(1R,9S)-1-amino-9-ethyl-5-fluoro-9-hydroxy-4-methyl-1,2,3,9,12,15-hexahydro-10H,13H-benzo[de]pyrano[3',4':6,7]indolizino[1,2-b]quinoline-10,13-dione methanesulfonate	130969
8	Exatecan (1S,9R)	/		(1S,9R)-1-amino-9-ethyl-5-fluoro-9-hydroxy-4-methyl-1,2,3,9,12,15-hexahydro-10H,13H-benzo[de]pyrano[3',4':6,7]indolizino[1,2-b]quinoline-10,13-dione methanesulfonate	133849
9	Val-Cit-PAB (L/D)	/		(S)-2-((R)-2-amino-3-methylbutanamido)-N-(4-(hydroxymethyl)phenyl)-5-ureidopentanamide	133850

No	Product Name	CAS	Structure	Chemical name	Product Code
10	Val-Cit-PAB (D/D)	/		(R)-2-((R)-2-amino-3-methylbutanamido)-N-(4-(hydroxymethyl)phenyl)-5-ureidopentanamide	133851
11	Val-Cit-PAB (D/L)	/		(R)-2-((S)-2-amino-3-methylbutanamido)-N-(4-(hydroxymethyl)phenyl)-5-ureidopentanamide	133852

Please be reminded that some products listed above are still patented and can only be made available for R & D use as permitted under 35 USC § 271 (e) (1); Article 69, Paragraph 1 of the Patent Act of Japan; Directive 2004/27/EC of the European Parliament and of the Council of 31 March 2004; or Article 69 (5) of the Patent Law of People's Republic of China. We will not make, sell, offer for commercial sale or export the products listed above in/into regions or countries in which substance patents are still existing and we will not be responsible if the use of any of the above products infringes on any patent in your country.