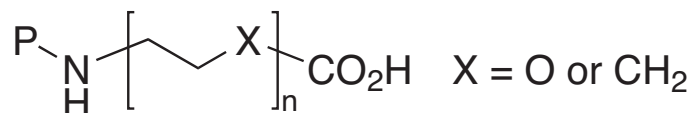
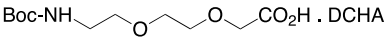
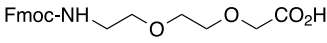
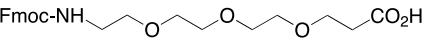
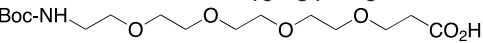


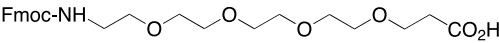
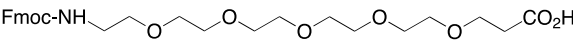
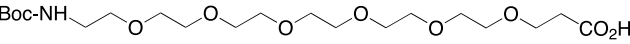
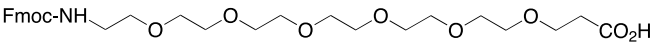
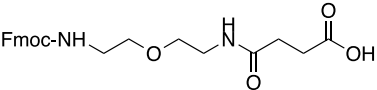
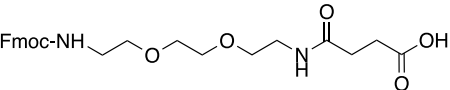
## PEG Based and Hydrophobic Spacers



PRODUCT	CODE	QUANTITY	EUROS
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### PEG-Based Spacers

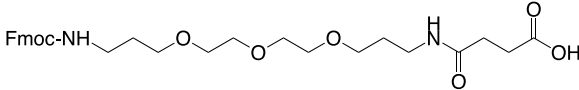
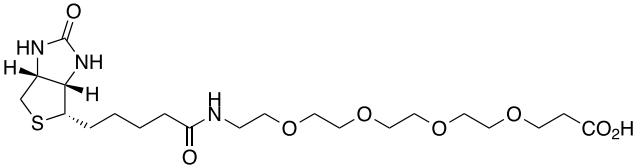
<p style="text-align: center;"><b>Boc-8-amino-3,6-dioxaoctanoic acid.DCHA</b>  <math>C_{11}H_{21}NO_6 \cdot C_{12}H_{23}N</math> M.W. 444.61            [560088-79-1]</p> <p style="text-align: center;">Boc-NH  . DCHA</p>	<p>BA03202</p>	<p>1 g 5 g</p>	<p>150 600</p>
<p style="text-align: center;"><b>Fmoc-8-amino-3,6-dioxaoctanoic acid</b>  <math>C_{21}H_{23}NO_6</math> M.W. 385.42            [166108-71-0]</p> <p style="text-align: center;">Hydrophilic spacer group</p> <p style="text-align: center;">Fmoc-NH  CO<sub>2</sub>H</p> <p>Slama, J. and Rando, R.R. (1981) Carbohydrate Res., <b>88</b>, 213-221</p>	<p>FA03202</p>	<p>1 g 5 g 10 g</p>	<p>150 600 1 080</p>
<p style="text-align: center;"><b>Fmoc-12-amino-4,7,10-trioxadodecanoic acid</b>  <math>C_{24}H_{29}NO_7</math> M.W. 443.50</p> <p style="text-align: center;">Fmoc-NH  CO<sub>2</sub>H</p>	<p>FA19203</p>	<p>1 g 5 g</p>	<p>250 1 000</p>
<p style="text-align: center;"><b>Boc-15-amino-4,7,10,13-tetraoxapentadecanoic acid</b>  <math>C_{16}H_{31}NO_8</math> M.W. 365.42</p> <p style="text-align: center;">Boc-NH  CO<sub>2</sub>H</p>	<p>BA19204</p>	<p>1 g 5 g</p>	<p>250 1 000</p>

PRODUCT	CODE	QUANTITY	EUROS
<p><b>Fmoc-15-amino-4,7,10,13-tetraoxapentadecanoic acid</b>  <math>C_{26}H_{33}NO_8</math> M.W. 487.55</p> 	FA19204	1 g 5 g	250 1 000
<p><b>Fmoc-18-amino-4,7,10,13,16-pentaoxaoctadecanoic acid</b>  <math>C_{28}H_{37}NO_9</math> M.W. 531.60</p> 	FA19205	1 g 5 g	350 1 400
<p><b>Boc-21-amino-4,7,10,13,16,19-hexaoxaheneicosanoic acid</b>  <math>C_{20}H_{39}NO_{10}</math> M.W. 453.53</p> 	BA19206	1 g 5 g	350 1 400
<p><b>Fmoc-21-amino-4,7,10,13,16,19-hexaoxaheneicosanoic acid</b>  <math>C_{30}H_{41}NO_{10}</math> M.W. 575.65</p> 	FA19206	1 g 5 g	350 1 400
<p><b>N-(Fmoc-5-amino-3-oxa-pentyl)-succinamic acid</b>  <math>C_{23}H_{26}N_2O_6</math> M.W. 426.47</p>  <p>Lam, K.S. et al. (2004) Bioorg. Med. Chem. Lett., 14, 161</p>	FA18802	1 g 5 g	110 440
<p><b>N-(Fmoc-8-amino-3,6-dioxa-octyl)-succinamic acid</b>  <math>C_{25}H_{30}N_2O_7</math> M.W. 470.52  [613245-91-3]</p>  <p>Lam, K.S. et al. (2004) Bioorg. Med. Chem. Lett., 14, 161</p>	FA18803	1 g 5 g	120 480

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<p><b>N-(Fmoc-13-amino-4,7,10-trioxa-tridecyl)-succinamic acid</b>  <b>Fmoc-Ttds</b>  <math>C_{29}H_{38}N_2O_8</math> M.W. 542.63            [172089-14-4]</p> 	FA18801	1 g	150
		5 g	600
<p><b>15-[D(+)-Biotinylamino]-4,7,10,13-tetraoxapentadecanoic acid</b>  <math>C_{21}H_{37}N_3O_8S</math> M.W. 491.60</p> 	AB05401	0.5 g	300
		1 g	540

Zhao, Z.G. et al. (1999) Bioconjugate Chem., **10**, 424

## Hydrophobic Spacers

<p><math>H_2N-CH_2-CH_2-CO_2H</math></p> <p><b>beta-alanine</b>  <b>H-beta-Ala-OH</b>  <math>C_3H_7NO_2</math> M.W. 89.09            [107-95-9]</p>	AA02101	25 g	12	
<p><math>Boc-NH-CH_2-CH_2-CO_2H</math></p> <p><b>Boc-beta-alanine</b>  <b>Boc-beta-Ala-OH</b>  <math>C_8H_{15}NO_4</math> M.W. 189.21            [3303-84-2]</p>	BA02101	5 g	7	
			25 g	28
<p><math>Fmoc-NH-CH_2-CH_2-CO_2H</math></p> <p><b>Fmoc-beta-alanine</b>  <b>Fmoc-beta-Ala-OH</b>  <math>C_{18}H_{17}NO_4</math> M.W. 311.34            [35737-10-1]</p>	FA02101	1 g	7	
			5 g	28
			25 g	112
<p><math>H_2N-CH_2-CH_2-CH_2-CO_2H</math></p> <p><b>H-4-aminobutyric acid</b>  <b>Gaba, H-gamma-Abu-OH</b>  <b>4-aminobutanoic acid</b>  <math>C_4H_9NO_2</math> M.W. 103.12            [56-12-2]</p>	AA03001	5 g	7	
			25 g	28

PRODUCT	CODE	QUANTITY	EUROS
$\text{Boc-NH-CH}_2\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ <b>Boc-4-aminobutyric acid</b> <b>Boc-Gaba, Boc-gamma-Abu-OH</b> <b>Boc-4-aminobutanoic acid</b> $\text{C}_9\text{H}_{17}\text{NO}_4$ M.W. 203.24 [57294-38-9]	BA03001	1 g	11
		5 g	44
		25 g	176
$\text{Fmoc-NH-CH}_2\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ <b>Fmoc-4-aminobutyric acid</b> <b>Fmoc-Gaba, Fmoc-gamma-Abu-OH</b> <b>Fmoc-4-aminobutanoic acid</b> $\text{C}_{19}\text{H}_{19}\text{NO}_4$ M.W. 325.36 [116821-47-7]	FA03001	1 g	11
		5 g	44
		25 g	176
$\text{Boc-NH-CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ <b>Boc-5-aminovaleric acid</b> <b>Boc-5-aminopentanoic acid</b> $\text{C}_{10}\text{H}_{19}\text{NO}_4$ M.W. 217.27 [27219-07-4]	BA03801	1 g	28
		5 g	112
		25 g	448
$\text{Fmoc-NH-CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ <b>Fmoc-5-aminovaleric acid</b> <b>Fmoc-5-aminopentanoic acid</b> $\text{C}_{20}\text{H}_{21}\text{NO}_4$ M.W. 339.39 [123622-48-0]	FA03801	1 g	38
		5 g	152
$\text{Boc-NH-CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ <b>Boc-6-aminocaproic acid</b> <b>Boc-epsilon-Ahx-OH</b> <b>Boc-6-aminohexanoic acid</b> $\text{C}_{11}\text{H}_{21}\text{NO}_4$ M.W. 231.29 [6404-29-1]	BA03101	1 g	9
		5 g	36
		25 g	144
$\text{Fmoc-NH-CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ <b>Fmoc-6-aminocaproic acid</b> <b>Fmoc-epsilon-Ahx-OH</b> <b>Fmoc-6-aminohexanoic acid</b> $\text{C}_{21}\text{H}_{23}\text{NO}_4$ M.W. 353.42 [88574-06-5]	FA03101	1 g	9
		5 g	36
		25 g	144
$\text{H}_2\text{N-CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ <b>H-8-aminocaprylic acid</b> <b>H-8-aminooctanoic acid</b> $\text{C}_8\text{H}_{17}\text{NO}_2$ M.W. 159.23 [1002-57-9]	AA03201	1 g	36
		5 g	144

PRODUCT	CODE	QUANTITY	EUROS
<b>Boc-8-aminocaprylic acid</b> <b>Boc-8-aminooctanoic acid</b> $C_{13}H_{25}NO_4$ M.W. 259.35 [30100-16-4] Boc-NH  CO <sub>2</sub> H	BA03201	1 g 5 g	45 180
<b>Fmoc-8-aminocaprylic acid</b> <b>Fmoc-8-aminooctanoic acid</b> $C_{23}H_{27}NO_4$ M.W. 381.47 [126631-93-4] Fmoc-NH  CO <sub>2</sub> H	FA03201	1 g 5 g	53 212

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