

Product Information

[2-(Fmoc-amino)acetamido]-acid

Cat. No.: X24-09-YYX116

Size: 100 mg; 250 mg; 500 mg; 1 g

CAS Number: 1599440-08-0

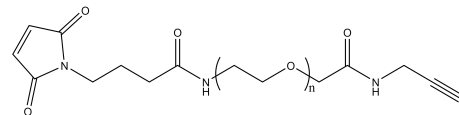
PubChem CID: 118201359

Synonym: 1599440-08-0; 1-(9H-

Fluoren-9-yl)-3,6-dioxo-2,9-dioxa-4,7-diazaundecan-11-oic acid;

Fmoc-Gly-NH-CH₂-O-CH₂COOH; 1-(9H-

Fluoren-9-yl)-3,6-dioxo-2,9-dioxa-4,7-diazaundecan-11-



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	[2-(Fmoc-amino)acetamido]-acid contains a Fmoc-protected amino group and an acetamido moiety. It is commonly utilized in peptide synthesis to introduce specific amino acid sequences. The Fmoc protection allows for selective deprotection and controlled assembly of peptides.
Molecular Weight	384.4
Molecular Formula	C ₂₀ H ₂₀ N ₂ O ₆
Functional Group 1	Acid
Functional Group 2	Amide
Functional Group 3	Fmoc
Reactive Group 1	Amine
IUPAC Name	2-[[[2-(9H-Fluoren-9-ylmethoxycarbonylamino)acetyl]amino]methoxy]acetic acid
InChI	InChI=1S/C20H20N2O6/c23-18(22-12-27-11-19(24)25)9-21-20(26)28-10-17-15-7-3-1-5-13(15)14-6-2-4-8-16(14)17/h1-8,17H,9-12H2,(H,21,26)(H,22,23)(H,24,25)
InChI Key	LIBCUNKWCWYZAX-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C2C(=C1)C(C3=CC=CC=C32)COC(=O)NCC(=O)NCOCC(=O)O
Form	Solid
Identity	Confirmed by NMR.
Applications	This amino acid derivative is commonly used in peptide synthesis, particularly in solid-phase peptide synthesis (SPPS). The Fmoc (fluorenylmethoxycarbonyl) protecting group allows for selective deprotection during the synthesis process, facilitating the assembly of complex peptides.

Storage Store at -20°C.
