

Product Information

Carboxylic acid PEG reagent, m-PEG2-acid, Purity 98%

Cat. No.: X24-09-YYX026

Size: 100 mg; 1 g; 5 g

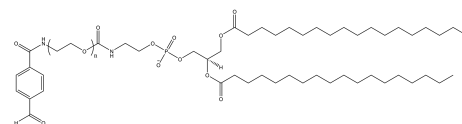
CAS Number: 149577-05-9

PubChem CID: 16718874

Synonym: 149577-05-9; 3-(2-methoxyethoxy)propanoic acid; mPEG2-acid;

Propanoic acid, 3-(2-methoxyethoxy)-

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



Product Information

Description	This molecule contains a m-PEG2 chain and an acid group. While the PEG chain is relatively short, it still contributes to some increase in solubility. The acid group enables chemical reactions, making it useful in specific synthetic procedures.
Molecular Weight	148.2
Molecular Formula	C ₆ H ₁₂ O ₄
Functional Group 1	Acid
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Amine
IUPAC Name	3-(2-Methoxyethoxy)propanoic acid
InChI	InChI=1S/C6H12O4/c1-9-4-5-10-3-2-6(7)8/h2-5H2,1H3,(H,7,8)
InChI Key	KWMXBFIAGYXCCC-UHFFFAOYSA-N
Canonical SMILES	COCCOCCC(=O)O
Isomeric SMILES	CCN(C(C)C)C(C)C.C1[C@H]2[C@@H]([C@@H](S1)CCCC(=O)NCCCOCOCOCOCOCNC(=O)C CCC(=O)O)NC(=O)N2
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	m-PEG2-acid is commonly used as a linker or spacer in small molecule synthesis and for modifying the properties of nanoparticles.
Storage	Store at -20°C.

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