

Product Information

Amino/Sulfonic acid PEG reagent, Amino-PEG3-sulfonic acid HCl salt, Purity 98%

Cat. No.: X24-10-WXX439

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

CAS Number: 1817735-43-5

PubChem CID: 26794395

Synonym: 1817735-43-5; Amino-PEG3-sulfonic acid HCl salt; Amino-

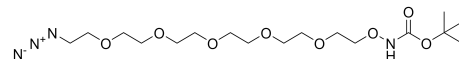
PEG3-C2-sulfonic acid; Amino-PEG3-sulfonic acid HCl;

2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]ethanesulfonic acid;

2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]ethane-1-sulfonic acid; DTXSID401190252;

AKOS040741112

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



Product Information

Description	Amino-PEG3-sulfonic acid HCl salt is a PEG linker with an amine group and a sulfonic acid moiety. The sulfonic acid undergoes esterification, halogenation, and displacement reactions. The amine group reacts with carboxylic acids, activated NHS esters, and other carbonyl groups. The PEG spacer increases water solubility.
Molecular Weight	257.3
Molecular Formula	C ₈ H ₁₉ NO ₆ S
Functional Group 1	Amine
Functional Group 2	Sulfonic Acid
Functional Group 3	None
Reactive Group 1	Acid
Reactive Group 2	NHS
Reactive Group 3	Carbonyl
IUPAC Name	2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]ethanesulfonic acid
InChI	InChI=1S/C8H19NO6S/c9-1-2-13-3-4-14-5-6-15-7-8-16(10,11)12/h1-9H2,(H,10,11,12)
InChI Key	KIPOASHUHFFELG-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCS(=O)(=O)O)N
Form	Solid/liquid

Purity	98%
Solubility	Water, DMSO, DMF
Identity	Confirmed by NMR.
Applications	Amino-PEG3-sulfonic acid HCl salt has diverse applications primarily in bioconjugation, drug delivery, and as linkers in the development of therapeutics and diagnostics.
Storage	Store at -20°C.