

Product Information

Cbz-protected amino/Tosyl PEG reagent, 2-(2-(((Benzyloxy)carbonyl)amino)ethoxy)ethyl 4-methylbenzenesulfonate, Purity 95%

Cat. No.: X24-10-WXX387

Size: 1 g; 2g; 5 g; 10 g

MDL: MFCD29059964

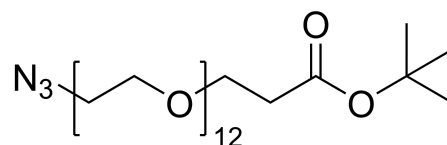
CAS Number: 144208-62-8

PubChem CID: 118796849

Synonym: 144208-62-8; 2-(2-(((Benzyloxy)carbonyl)amino)ethoxy)ethyl

4-methylbenzenesulfonate; Toluene-4-sulfonic acid 2-(2-benzyloxycarbonylamino-ethoxy)-ethyl ester; MFCD29059964

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



Product Information

Description	2-(2-(((Benzyloxy)carbonyl)amino)ethoxy)ethyl 4-methylbenzenesulfonate is a reagent grade PEG linker with a benzyl (Cbz) protecting group and a tosyl group. The PEG spacer increases water solubility. The tosyl group is used for nucleophilic substitution reactions.
Molecular Weight	393.5
Molecular Formula	C ₁₉ H ₂₃ NO ₆ S
Functional Group 1	Cbz-protected Amino
Functional Group 2	Tosyl
Functional Group 3	None
Reactive Group 1	Nucleophile
IUPAC Name	2-[2-(phenylmethoxycarbonylamino)ethoxy]ethyl 4-methylbenzenesulfonate
InChI	InChI=1S/C19H23NO6S/c1-16-7-9-18(10-8-16)27(22,23)26-14-13-24-12-11-20-19(21)25-15-17-5-3-2-4-6-17/h2-10H,11-15H2,1H3,(H,20,21)
InChI Key	BDNVZFIGDYNZFH-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(C=C1)S(=O)(=O)OCCOCCNC(=O)OCC2=CC=CC=C2
Form	Solid
Purity	95%
Identity	Confirmed by NMR.

Applications	2-(2-(((Benzyloxy)carbonyl)amino)ethoxy)ethyl 4-methylbenzenesulfonate is utilized as a building block for synthesizing complex molecules. It is a useful tool in molecular biology.
Storage	Store at -20°C.