

Product Information

Tosyl PEG reagent, Tos-PEG3-Tos, Purity 98%

Cat. No.: X24-10-WXX352

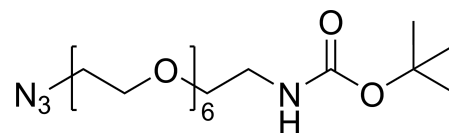
Size: 1 g; 2 g; 5 g; 25 g

CAS Number: 7460-82-4

PubChem CID: 316659

Synonym: 7460-82-4; Diethylene glycol Bis(p-toluenesulfonate); Diethylene glycol ditosylate; Oxybis(ethane-2,1-diyl) bis(4-methylbenzenesulfonate); Diethylene glycol di(p-toluenesulfonate)

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



Product Information

Description	Tos-PEG3-Tos is a reagent grade PEG linker with two tosyl groups. The PEG spacer increases water solubility. The tosyl group is used for nucleophilic substitution reactions.
Molecular Weight	414.5
Molecular Formula	C ₁₈ H ₂₂ O ₇ S ₂
Functional Group 1	Tosyl
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Nucleophile
IUPAC Name	2-[2-(4-methylphenyl)sulfonyloxyethoxy]ethyl 4-methylbenzenesulfonate
InChI	InChI=1S/C18H22O7S2/c1-15-3-7-17(8-4-15)26(19,20)24-13-11-23-12-14-25-27(21,22)18-9-5-16(2)6-10-18/h3-10H,11-14H2,1-2H3
InChI Key	VYVPNTJBGPQTFA-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(C=C1)S(=O)(=O)OCCOCCOS(=O)(=O)C2=CC=C(C=C2)C
Form	Solid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	Tos-PEG3-Tos is critical in the synthesis and application of a wide range of bioconjugates, the enhancement of drug delivery systems, and the development of novel therapeutic agents.
Storage	Store at -20°C.

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