

Tos-PEG3

Chemical Properties

CAS No. :	77544-68-4
Formula:	C13H20O6S
Molecular Weight:	304.359
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Tos-PEG3, a PEG-based PROTAC linker, is suitable for synthesizing PROTACs and 3'-aminoxy oligonucleotide solid supports[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

Solubility Information

Solubility	DMSO: 100.00 mg/mL (328.56 mM),Sonication and heating are recommended. H2O: 10.00 mg/mL (32.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2856 mL	16.4279 mL	32.8558 mL
5 mM	0.6571 mL	3.2856 mL	6.5712 mL
10 mM	0.3286 mL	1.6428 mL	3.2856 mL
50 mM	0.0657 mL	0.3286 mL	0.6571 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Noël M, et al. Solid Supports for the Synthesis of 3'-Aminooxy Deoxy- or Ribo-oligonucleotides and Their 3'-Conjugation by Oxime Ligation. J Org Chem. 2019 Nov 15;84(22):14854-14860.

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