Tos-PEG3

Cat. No.: HY-23408

CAS No.: 77544-68-4

Molecular Formula: $C_{13}H_{20}O_6S$

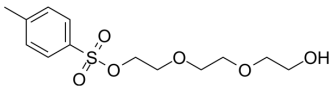
Molecular Weight: 304.36

Target: PROTAC Linkers

Pathway: PROTAC

Storage:

Pure form	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 100 mg/mL (328.56 mM; Need ultrasonic)

DMSO : 100 mg/mL (328.56 mM; Need ultrasonic and warming)

H_2O : 10 mg/mL (32.86 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 16.67 mg/mL (54.77 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Tos-PEG3 is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Tos-PEG3 (structure 1) can be used for the synthesis of 3'-aminooxy oligonucleotides solid supports[1].

In Vitro

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein.

PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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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