Tos-PEG3-NH-Boc

MedChemExpress

®

Cat. No.:	HY-128805	
CAS No.:	206265-94-3	
Molecular Formula:	C ₁₈ H ₂₉ NO ₇ S	
Molecular Weight:	403.49	o o
Target:	PROTAC Linkers	0
Pathway:	PROTAC	
Storage:	4°C, protect from light, stored under nitrogen	Ö İ İ
	* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under	
	nitrogen)	

SOLVENT & SOLUBILITY

In Vitro		DMSO : 100 mg/mL (247.84 mM; Need ultrasonic) Mass					
		Solvent Concentration	1 mg	5 mg	10 mg		
	Preparing Stock Solutions	1 mM	2.4784 mL	12.3919 mL	24.7838 mL		
		5 mM	0.4957 mL	2.4784 mL	4.9568 mL		
		10 mM	0.2478 mL	1.2392 mL	2.4784 mL		
	Please refer to the so	Please refer to the solubility information to select the appropriate solvent.					
In Vivo		1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.20 mM); Clear solution					
		2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.20 mM); Clear solution					
		3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.20 mM); Clear solution					

BIOLOGICAL ACTIVITY					
Description	Tos-PEG3-NH-Boc (PROTAC Linker 9) is a PEG-based PROTAC linker can be used in the synthesis of PROTACs ^[1] .				
IC ₅₀ & Target	PEGs	Alkyl/ether			
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 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.				

Product Data Sheet

REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

Caution: Product has not been fully validated for medical applications. For research use only.

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA