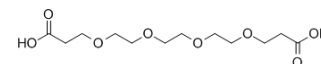


## Bis-PEG4-acid

Cat. No.:	HY-119429		
CAS No.:	31127-85-2		
Molecular Formula:	C <sub>12</sub> H <sub>22</sub> O <sub>8</sub>		
Molecular Weight:	294.3		
Target:	PROTAC Linker		
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	DMSO : 300 mg/mL (1019.37 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	3.3979 mL	16.9895 mL	33.9789 mL
			5 mM	0.6796 mL	3.3979 mL	6.7958 mL
			10 mM	0.3398 mL	1.6989 mL	3.3979 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: <b>10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)</b> Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution					
	2. Add each solvent one by one: <b>10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline</b> Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution					
	3. Add each solvent one by one: <b>10% DMSO &gt;&gt; 90% corn oil</b> Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Bis-PEG4-acid is a PEG PROTAC linker.
IC <sub>50</sub> & Target	PROTAC linker <sup>[1]</sup>

### REFERENCES

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[1]. Maniaci C, et al. Homo-PROTACs: bivalent small-molecule dimerizers of the VHL E3 ubiquitin ligase to induce self-degradation. Nat Commun. 2017 Oct 10;8(1):830.

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

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