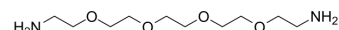


## Amino-PEG4-C2-amine

Cat. No.:	HY-22335
CAS No.:	68960-97-4
Molecular Formula:	C <sub>10</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	236.31
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 120 mg/mL (507.81 mM; Need ultrasonic)  
DMSO : 100 mg/mL (423.17 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.2317 mL	21.1586 mL	42.3173 mL
	5 mM	0.8463 mL	4.2317 mL	8.4635 mL
	10 mM	0.4232 mL	2.1159 mL	4.2317 mL

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (423.17 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 3 mg/mL (12.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 3 mg/mL (12.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 3 mg/mL (12.70 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Amino-PEG4-C2-amine is a PEG-based (4 units) PROTAC linker can be used in the synthesis of PROTACs.

#### IC<sub>50</sub> & Target

PEGs

#### 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.

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

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## REFERENCES

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[1]. Lepage ML, et al. Design, synthesis and photochemical properties of the first examples of iminosugar clustersbased on fluorescent cores. Beilstein J Org Chem. 2015 May 6;11:659-67.

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

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