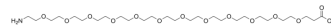


Amino-PEG12-acid

Cat. No.:	HY-140177
CAS No.:	1415408-69-3
Molecular Formula:	C ₂₇ H ₅₅ NO ₁₄
Molecular Weight:	617.72
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

DMSO : 12.5 mg/mL (20.24 mM); ultrasonic and warming and heat to 60°C

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6189 mL	8.0943 mL	16.1886 mL
	5 mM	0.3238 mL	1.6189 mL	3.2377 mL
	10 mM	0.1619 mL	0.8094 mL	1.6189 mL

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

BIOLOGICAL ACTIVITY

Description

Amino-PEG12-acid is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^[1].

IC₅₀ & 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^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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.

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