Bis-propargyl-PEG4

Cat. No.: HY-120397

CAS No.: 159428-42-9

Molecular Formula: $C_{14}H_{22}O_5$

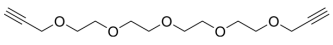
Molecular Weight: 270.32

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

DMSO : 100 mg/mL (369.93 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.6993 mL	18.4966 mL	36.9932 mL
	5 mM	0.7399 mL	3.6993 mL	7.3986 mL
	10 mM	0.3699 mL	1.8497 mL	3.6993 mL

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

BIOLOGICAL ACTIVITY

Description

Bis-propargyl-PEG4 is a PEG-based PROTAC linker used in the synthesis of PROTACs. Bis-propargyl-PEG4 is used for the synthesis of demethylvancomycin dimers[1][2]. Bis-propargyl-PEG4 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

In Vitro

Bis-propargyl-PEG4 can be used in the synthesis of demethylvancomycin dimers against vancomycin-resistant enterococcus faecalis[2].

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

REFERENCES

[1]. Pearlie BURNETTE, et al. Dimeric immuno-modulatory compounds against cereblon-based mechanisms. WO2020014489A2.

[2]. Jiang, et al. Design, synthesis and biological activity of novel demethylvancomycin dimers against vancomycin-resistant enterococcus faecalis. Tetrahedron, 2018: 74(27), 3527–3533.

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

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