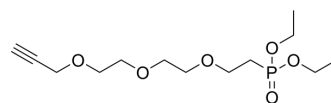


Propargyl-PEG3-phosphonic acid diethyl ester

Cat. No.:	HY-130146
CAS No.:	1052678-30-4
Molecular Formula:	C ₁₃ H ₂₅ O ₆ P
Molecular Weight:	308.31
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Propargyl-PEG3-phosphonic acid diethyl ester is a PEG-based PROTAC linker can be used in the synthesis of PROTACs ^[1] . Propargyl-PEG3-phosphonic acid diethyl ester is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Thorsten Heidelberg, et al. Oligo-ethylene glycol based phosphonate surface modification reagents and use thereof. WO2015065168A1

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