Propargyl-PEG4-O-C1-NHS ester

Cat. No.: HY-130390

CAS No.: 1161883-51-7

Molecular Formula: $C_{17}H_{25}NO_9$

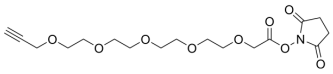
Molecular Weight: 387.38

Target: PROTAC Linkers

Pathway: PROTAC

Storage:

Pure form	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Propargyl-PEG4-O-C1-NHS ester (compound 8) is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Propargyl-PEG4-O-C1-NHS 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.	
IC_{50} & Target	PEGs	Alkyl/ether
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]. Kussrow A, et al. Measurement of monovalent and polyvalent carbohydrate-lectin binding by back-scatteringinterferometry. Anal Chem. 2009 Jun 15;81(12):4889-97.

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