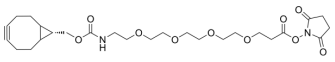
endo-BCN-PEG4-NHS ester

Cat. No.:	HY-140069
CAS No.:	2252422-32-3
Molecular Formula:	$C_{26}H_{38}N_2O_{10}$
Molecular Weight:	538.59
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Pure form -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (464.17 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8567 mL	9.2835 mL	18.5670 mL
	5 mM	0.3713 mL	1.8567 mL	3.7134 mL
	10 mM	0.1857 mL	0.9283 mL	1.8567 mL

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

BIOLOGICAL ACTIVITY

Description

endo-BCN-PEG4-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. endo-BCN-PEG4-NHS ester is a click chemistry reagent, it contains a BCN group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.

IC_{50} & 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.

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