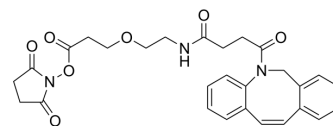


DBCO-PEG1-NHS ester

Cat. No.:	HY-140271
CAS No.:	2228857-34-7
Molecular Formula:	C ₂₈ H ₂₇ N ₃ O ₇
Molecular Weight:	517.53
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



BIOLOGICAL ACTIVITY

Description	DBCO-PEG1-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . DBCO-PEG1-NHS ester is a click chemistry reagent, it contains a DBCO 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.

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