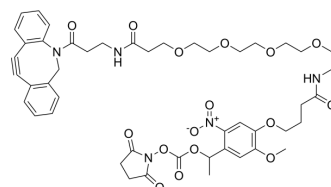


## PC DBCO-PEG4-NHS ester

Cat. No.:	HY-138756
CAS No.:	2055025-02-8
Molecular Formula:	C <sub>47</sub> H <sub>55</sub> N <sub>5</sub> O <sub>16</sub>
Molecular Weight:	945.96
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PC DBCO-PEG4-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . PC DBCO-PEG4-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.
<b>IC<sub>50</sub> &amp; Target</b>	PEGs
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Nalawansa DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-1014.

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

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