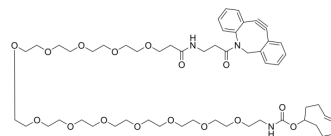


## DBCO-PEG12-TCO

<b>Cat. No.:</b>	HY-D1071
<b>CAS No.:</b>	2055022-06-3
<b>Molecular Formula:</b>	C <sub>54</sub> H <sub>81</sub> N <sub>3</sub> O <sub>16</sub>
<b>Molecular Weight:</b>	1028.23
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	DBCO-PEG12-TCO contains a TCO and a DBCO moiety. TCO group can specifically react with tetrazine. DBCO-PEG12-TCO is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups. DBCO-PEG12-TCO also contains a TCO group that can undergo an inverse electron demand Diels-Alder reaction (IEDDA) with molecules containing Tetrazine groups.
<b>In Vitro</b>	DBCO reacts with azide functionalized compounds or biomolecules without catalyst to form a stable triazole linkage, which is an ideal alternative to copper intolerant applications. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA