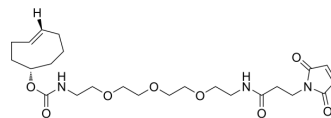


## (S)-TCO-PEG3-maleimide

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-133477   |
| Molecular Formula: | C <sub>24</sub> H <sub>37</sub> N <sub>3</sub> O <sub>8</sub>                             |
| Molecular Weight:  | 495.57  |
| Target:            | PROTAC Linkers  |
| Pathway:           | PROTAC  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                                     |  |
|-------------------------------------|--|
| <b>Description</b>                  | (S)-TCO-PEG3-maleimide is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . (S)-TCO-PEG3-maleimide is a click chemistry reagent, it contains a TCO group that can undergo an inverse electron demand Diels-Alder reaction (IEDDA) with molecules containing Tetrazine 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]. 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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