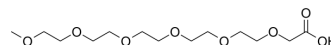


## m-PEG5-CH<sub>2</sub>COOH

|                           |  |       |          |
|---------------------------|--|-------|----------|
| <b>Cat. No.:</b>          | HY-120537                                      |       |          |
| <b>CAS No.:</b>           | 16142-03-3                                     |       |          |
| <b>Molecular Formula:</b> | C <sub>13</sub> H <sub>26</sub> O <sub>8</sub> |       |          |
| <b>Molecular Weight:</b>  | 310.34   |       |          |
| <b>Target:</b>            | ADC Linker; PROTAC Linkers                     |       |          |
| <b>Pathway:</b>           | Antibody-drug Conjugate/ADC Related; PROTAC    |       |          |
| <b>Storage:</b>           | Pure form                                      | -20°C | 3 years  |
|                           |  | 4°C   | 2 years  |
|                           | In solvent                                     | -80°C | 6 months |
|                           |  | -20°C | 1 month  |



### BIOLOGICAL ACTIVITY

|                                     |   |      |
|-------------------------------------|---|------|
| <b>Description</b>                  | m-PEG5-CH <sub>2</sub> COOH is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). m-PEG5-CH <sub>2</sub> COOH is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> .   |      |
| <b>IC<sub>50</sub> &amp; Target</b> | Non-cleavable Linker  | PEGs |
| <b>In Vitro</b>                     | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. 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. MCE has not independently confirmed the accuracy of these methods. They are for reference only. |      |

### REFERENCES

[1]. Yong Zu Kim, et al. Antibody-drug conjugates comprising branched linkers and methods related thereto. WO2017089895A1.

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

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