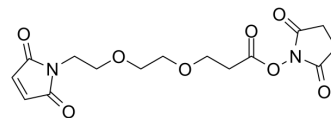


## Mal-PEG2-NHS ester

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-126504   |       |          |
| <b>CAS No.:</b>           | 1433997-01-3  |       |          |
| <b>Molecular Formula:</b> | C <sub>15</sub> H <sub>18</sub> N <sub>2</sub> O <sub>8</sub> |       |          |
| <b>Molecular Weight:</b>  | 354.31  |       |          |
| <b>Target:</b>            | ADC Linker  |       |          |
| <b>Pathway:</b>           | Antibody-drug Conjugate/ADC Related                           |       |          |
| <b>Storage:</b>           | Pure form   | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent  | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

|   |  |                          |            |            |
|---|--|--------------------------|------------|------------|
| <b>In Vitro</b>   | DMSO : 100 mg/mL (282.24 mM; Need ultrasonic)  |                          |            |            |
|   |  | Solvent<br>Concentration | Mass       |            |
|   |  |                          | 1 mg       | 5 mg       |
|   |  |                          | 10 mg      |            |
| <b>Preparing Stock Solutions</b>  | <b>1 mM</b>  | 2.8224 mL                | 14.1119 mL | 28.2239 mL |
|   | <b>5 mM</b>  | 0.5645 mL                | 2.8224 mL  | 5.6448 mL  |
|   | <b>10 mM</b>   | 0.2822 mL                | 1.4112 mL  | 2.8224 mL  |
| Please refer to the solubility information to select the appropriate solvent. |  |                          |            |            |
| <b>In Vivo</b>  | <ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline<br/>Solubility: ≥ 2.5 mg/mL (7.06 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)<br/>Solubility: ≥ 2.5 mg/mL (7.06 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil<br/>Solubility: ≥ 2.5 mg/mL (7.06 mM); Clear solution</li> </ol> |                          |            |            |

### BIOLOGICAL ACTIVITY

|                                     |  |
|-------------------------------------|--|
| <b>Description</b>                  | Mal-PEG2-NHS ester is a noncleavable ADC linker containing a Maleimide group, 2-unit PEG and an NHS ester. |
| <b>IC<sub>50</sub> &amp; Target</b> | Non-cleavable Linker   |

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

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