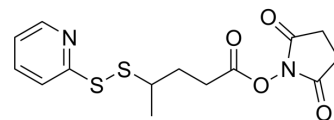


## SPP

|                    |  |                |
|--------------------|--|----------------|
| Cat. No.:          | HY-128926  |                |
| CAS No.:           | 341498-08-6  |                |
| Molecular Formula: | C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> |                |
| Molecular Weight:  | 340.42   |                |
| Target:            | ADC Linker   |                |
| Pathway:           | Antibody-drug Conjugate/ADC Related  |                |
| Storage:           | Powder   | -20°C 3 years  |
|                    | In solvent   | -80°C 6 months |
|                    |  | -20°C 1 month  |



## SOLVENT & SOLUBILITY

|   |  |               |           |           |            |            |
|---|--|---------------|-----------|-----------|------------|------------|
| In Vitro  | DMSO : 100 mg/mL (293.75 mM; Need ultrasonic)  |               |           |           |            |            |
|   | Preparing Stock Solutions  | Solvent       | Mass      | 1 mg      | 5 mg       | 10 mg      |
|   |  | Concentration |           |           |            |            |
|   |  | 1 mM          |           | 2.9375 mL | 14.6877 mL | 29.3755 mL |
|   |  | 5 mM          |           | 0.5875 mL | 2.9375 mL  | 5.8751 mL  |
| 10 mM   |  | 0.2938 mL     | 1.4688 mL | 2.9375 mL |            |            |
| Please refer to the solubility information to select the appropriate solvent. |  |               |           |           |            |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 2.5 mg/mL (7.34 mM); Clear solution |               |           |           |            |            |
|   | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.5 mg/mL (7.34 mM); Clear solution            |               |           |           |            |            |
|   | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (7.34 mM); Clear solution                            |               |           |           |            |            |

## BIOLOGICAL ACTIVITY

|                           |  |                            |
|---------------------------|--|----------------------------|
| Description               | SPP is a cleavable disulfide linker, can be used to form cytotoxic compound- linker conjugate <sup>[1]</sup> . |                            |
| IC <sub>50</sub> & Target | Cleavable Linker   | Disulfide Cleavable Linker |

## REFERENCES

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

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