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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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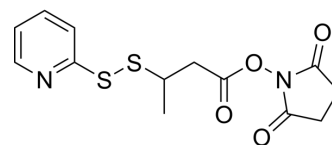
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PPC-NHS ester

| | | |
|--------------------|--|----------------|
| Cat. No.: | HY-W071006 | |
| CAS No.: | 107348-47-0 | |
| Molecular Formula: | C ₁₃ H ₁₄ N ₂ O ₄ S ₂ | |
| Molecular Weight: | 326.39 | |
| 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 (306.38 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass | | |
| | Preparing Stock Solutions | | 1 mg | 5 mg | 10 mg |
| | | 1 mM | 3.0638 mL | 15.3191 mL | 30.6382 mL |
| | | 5 mM | 0.6128 mL | 3.0638 mL | 6.1276 mL |
| | 10 mM | 0.3064 mL | 1.5319 mL | 3.0638 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 Solubility: ≥ 2.5 mg/mL (7.66 mM); Clear solution | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.66 mM); Clear solution | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.66 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | | |
|---------------------------|---|-----------|
| Description | PPC-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] . | |
| IC ₅₀ & Target | Disulfide Cleavable | Cleavable |
| In Vitro | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. | |

REFERENCES

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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

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