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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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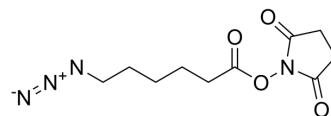
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N3-C5-NHS ester

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-126523 | | |
| CAS No.: | 866363-70-4 | | |
| Molecular Formula: | C ₁₀ H ₁₄ N ₄ O ₄ | | |
| Molecular Weight: | 254.24 | | |
| Target: | ADC Linker | | |
| Pathway: | Antibody-drug Conjugate/ADC Related | | |
| Storage: | Pure form | -20°C | 3 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|--|--------------------------|-------|-----------|------------|------------|
| In Vitro | DMSO : 100 mg/mL (393.33 mM; Need ultrasonic) | | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
| | | | 1 mM | 3.9333 mL | 19.6665 mL | 39.3329 mL |
| | | | 5 mM | 0.7867 mL | 3.9333 mL | 7.8666 mL |
| | | | 10 mM | 0.3933 mL | 1.9666 mL | 3.9333 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 (9.83 mM); Clear solution | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.83 mM); Clear solution | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.83 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | N3-C5-NHS ester is a noncleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). N3-C5-NHS ester is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups. |
| IC ₅₀ & Target | Non-cleavable Linker |

REFERENCES

[1]. Pyrrolobenzodiazepine Dimer Antibody-Drug Conjugates: Synthesis and Evaluation of Noncleavable Drug-Linkers. J Med Chem. 2017 Dec 14;60(23):9490-9507.

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

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