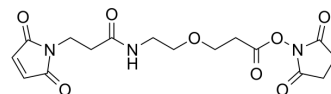


Mal-amido-PEG1-C2-NHS ester

| | |
|---------------------------|--|
| Cat. No.: | HY-126507 |
| CAS No.: | 1260092-50-9 |
| Molecular Formula: | C ₁₆ H ₁₉ N ₃ O ₈ |
| Molecular Weight: | 381.34 |
| Target: | ADC Linkers |
| Pathway: | Antibody-drug Conjugate/ADC Related |
| Storage: | -20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (262.23 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.6223 mL | 13.1117 mL | 26.2233 mL |
| | 5 mM | 0.5245 mL | 2.6223 mL | 5.2447 mL |
| | 10 mM | 0.2622 mL | 1.3112 mL | 2.6223 mL |

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Mal-amido-PEG1-C2-NHS ester is a noncleavable ADC linker containing a maleimide group and an NHS ester. The NHS ester can be used to label the primary amines (-NH₂) of proteins, amine-modified oligonucleotides, and other amine-containing molecules^{[1][2]}

REFERENCES

- [1]. Hansen AM, et al. Microwave-assisted solid-phase synthesis of antisense acpP peptide nucleic acid-peptide conjugates active against colistin- and tigecycline-resistant

E. coli and K. pneumoniae. Eur J Med Chem. 2019 Apr 15;168:134-145.

[2]. Zhang ge, et al. Preparation and application of FAPalpha activated polypeptide magnetic nanosphere compound used for diagnosis of tumors. CN105524141A

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

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