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Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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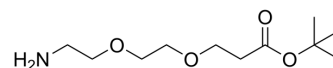
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NH2-PEG2-C2-Boc

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-42149 | | |
| CAS No.: | 756525-95-8 | | |
| Molecular Formula: | C ₁₁ H ₂₃ NO ₄ | | |
| Molecular Weight: | 233.3 | | |
| Target: | PROTAC Linkers; ADC Linker | | |
| Pathway: | PROTAC; Antibody-drug Conjugate/ADC Related | | |
| Storage: | Pure form | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (428.63 mM)
 * "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 4.2863 mL | 21.4316 mL | 42.8633 mL |
| | 5 mM | 0.8573 mL | 4.2863 mL | 8.5727 mL |
| | 10 mM | 0.4286 mL | 2.1432 mL | 4.2863 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 (10.72 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (10.72 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (10.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

NH2-PEG2-C2-Boc is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^[1]. NH2-PEG2-C2-Boc is also a non-cleavable 2 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[2].

IC₅₀ & Target

PEGs Alkyl/ether Non-cleavable

In Vitro

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for

the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins^[1]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Han X, et al. Discovery of ARD-69 as a Highly Potent Proteolysis Targeting Chimera (PROTAC) Degradar of Androgen Receptor (AR) for the Treatment of Prostate Cancer. J Med Chem. 2019 Jan 24;62(2):941-964.

[2]. Joshua D. Thomas, et al. Pyrrolobenzodiazepine antibody conjugates. WO2019126691A1.

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

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