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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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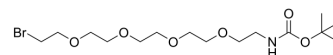
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N-Boc-PEG5-bromide

Cat. No.:	HY-120702
CAS No.:	1392499-32-9
Molecular Formula:	C ₁₅ H ₃₀ BrNO ₆
Molecular Weight:	400.31
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
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

Ethanol : ≥ 200 mg/mL (499.61 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.4981 mL	12.4903 mL	24.9806 mL
	5 mM		0.4996 mL	2.4981 mL	4.9961 mL
	10 mM		0.2498 mL	1.2490 mL	2.4981 mL

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

In Vivo

- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 5 mg/mL (12.49 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
 Solubility: ≥ 5 mg/mL (12.49 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Boc-PEG5-bromide is a PEG/Alkyl/ether-based PROTAC linker can be used in the synthesis of PROTACs. N-Boc-PEG5-bromide is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1].

IC₅₀ & Target

Cleavable Linker

PEGs

Alkyl/ether

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. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Carston R. Wagner, et al. Protein nanorings. US8236925B1.

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

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