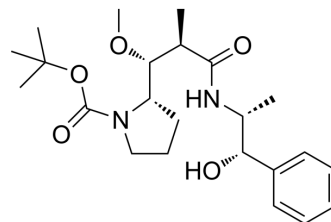


Boc-Dap-NE

Cat. No.:	HY-78931
CAS No.:	160800-65-7
Molecular Formula:	C ₂₃ H ₃₆ N ₂ O ₅
Molecular Weight:	420.54
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (237.79 mM; Need ultrasonic)					
	H ₂ O : < 0.1 mg/mL (insoluble)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.3779 mL	11.8895 mL	23.7789 mL
5 mM			0.4756 mL	2.3779 mL	4.7558 mL	
10 mM		0.2378 mL	1.1889 mL	2.3779 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 (5.94 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.94 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.94 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Boc-Dap-NE is an intermediate in the synthesis of Monomethyl auristatin E (HY-15162), which is an inhibitor of tubulin polymerization. Monomethyl auristatin E can be used to synthesize Antibody-Drug Conjugates (ADCs) as ADC Cytotoxin.
IC₅₀ & Target	Cleavable Linker
In Vitro	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.

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

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