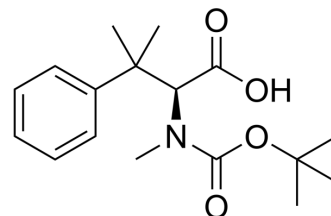


Taltobulin intermediate-1

Cat. No.: HY-41047
CAS No.: 228266-38-4
Molecular Formula: C₁₇H₂₅NO₄
Molecular Weight: 307.38
Storage: 4°C, sealed storage, away from moisture and light
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (650.66 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	3.2533 mL	16.2665 mL	32.5330 mL
		5 mM	0.6507 mL	3.2533 mL	6.5066 mL
		10 mM	0.3253 mL	1.6267 mL	3.2533 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: ≥ 5 mg/mL (16.27 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (16.27 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (16.27 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	<p>Taltobulin intermediate-1 is an intermediate in the synthesis of Taltobulin (HY-15584). Taltobulin is a common toxin component in ADC preparation (ADC Cytotoxin), and it is also a powerful tubulin (Microtubule/Tubulin) inhibitor. Taltobulin disrupts tubulin polymerization, induces mitotic arrest, and induces apoptosis^[1].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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