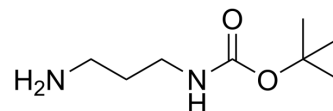


tert-Butyl (3-aminopropyl)carbamate

Cat. No.:	HY-40172
CAS No.:	75178-96-0
Molecular Formula:	C ₈ H ₁₈ N ₂ O ₂
Molecular Weight:	174.24
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°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 (573.92 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div><div>Mass</div></div>	1 mg	5 mg	10 mg
		1 mM	5.7392 mL	28.6961 mL	57.3921 mL
		5 mM	1.1478 mL	5.7392 mL	11.4784 mL
		10 mM	0.5739 mL	2.8696 mL	5.7392 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 (14.35 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (14.35 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil				
	Solubility: ≥ 2.5 mg/mL (14.35 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	tert-Butyl (3-aminopropyl)carbamate is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	N-Boc-1,3-propanediamine plays a key role in the synthesis of spermidine analogues and the suzuki reaction. 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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