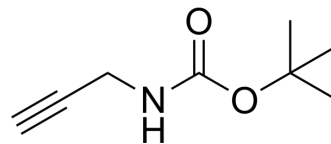


Boc-Propargylamine

Cat. No.:	HY-75970
CAS No.:	92136-39-5
Molecular Formula:	C ₈ H ₁₃ NO ₂
Molecular Weight:	155.19
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (644.37 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	6.4437 mL	32.2186 mL	64.4371 mL
				5 mM	1.2887 mL	6.4437 mL	12.8874 mL
				10 mM	0.6444 mL	3.2219 mL	6.4437 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 (16.11 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.11 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	N-Boc-Propargylamine is a biochemical reagent that can be used as a biological material or organic compound for life science related research. Boc-Propargylamine is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
In Vitro	N-Boc-propargylamine is used to prepare triazolobenzylidene-thiazolopyrimidines, which act as CDC25 phosphatase inhibitors. Furthermore, it is used for the synthesis of beta-glucan polysaccharide analogs. In addition to this, it is involved in the Pauson-Kh and (PK) reaction of norbornadiene and N-Boc-propargylamine to prepare 4,5-disubstituted cyclopentenones . 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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