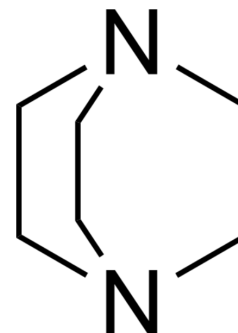


1,4-Diazabicyclo[2.2.2]octane

Cat. No.:	HY-Y0566
CAS No.:	280-57-9
Molecular Formula:	C ₆ H ₁₂ N ₂
Molecular Weight:	112.17
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 (891.50 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		8.9150 mL	44.5752 mL	89.1504 mL
		5 mM		1.7830 mL	8.9150 mL	17.8301 mL
	10 mM		0.8915 mL	4.4575 mL	8.9150 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (22.29 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (22.29 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (22.29 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	1,4-Diazabicyclo[2.2.2]octane is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	1,4-Diazabicyclo[2.2.2]octane is used as polyurethane catalyst, Balis-Hillman reaction catalyst complexing ligand and lewis base. It finds use in dye lasers and in mounting samples for fluorescence microscopy and as anti-fade reagent shown to scavenge free radicals due to fluorescence excitation of fluorochromes. Furthermore, it is an oxidation and polymerization catalyst. 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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