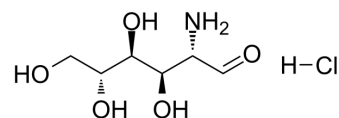


D-Mannosamine hydrochloride

Cat. No.:	HY-W021425
CAS No.:	5505-63-5
Molecular Formula:	C ₆ H ₁₄ ClNO ₅
Molecular Weight:	215.63
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (115.94 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.6376 mL	23.1879 mL	46.3757 mL
		5 mM	0.9275 mL	4.6376 mL	9.2751 mL
	10 mM	0.4638 mL	2.3188 mL	4.6376 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 (11.59 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.59 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.59 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	D-Mannosamine hydrochloride is an endogenous metabolite.
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Caution: Product has not been fully validated for medical applications. For research use only.

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