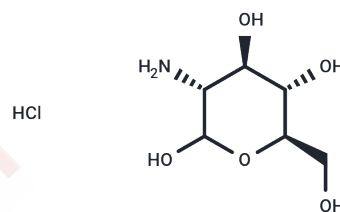


Glucosamine hydrochloride

Chemical Properties

CAS No. :	66-84-2
Formula:	C ₆ H ₁₃ NO ₅ ·HCl
Molecular Weight:	215.63
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Glucosamine hydrochloride (Chitosamine hydrochloride) is commonly used as a treatment for osteoarthritis, although its acceptance as a medical therapy varies.
Targets(IC50)	Reactive Oxygen Species,HIF/HIF Prolyl-Hydroxylase,Endogenous Metabolite,Autophagy

Solubility Information

Solubility	H ₂ O: 34 mg/mL (157.68 mM),Sonication is recommended. DMSO: 55 mg/mL (255.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0928 mL	0.4638 mL	0.9275 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Jamialahmadi K, et al. Environ Toxicol Pharmacol. 2014 Jul;38(1):212-9.

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