

Gluconate Calcium

Chemical Properties

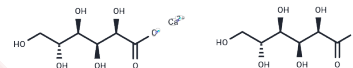
CAS No. : 299-28-5

Formula: C₁₂H₂₂CaO₁₄

Molecular Weight: 430.37

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Gluconate Calcium (Gluconic acid hemicalcium salt) is the calcium salt of gluconic acid, used as a calcium replenisher in hypocalcemic states.
Targets(IC50)	ERK,Others,Endogenous Metabolite,NO Synthase,Interleukin

Solubility Information

Solubility	H ₂ O: 72.14 mg/mL (167.62 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	2.3236 mL	11.6179 mL	23.2358 mL
5 mM	0.4647 mL	2.3236 mL	4.6472 mL
10 mM	0.2324 mL	1.1618 mL	2.3236 mL
50 mM	0.0465 mL	0.2324 mL	0.4647 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Drop LJ, Cullen DJ. Br J Anaesth. 1980 May;52(5):501-5.

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