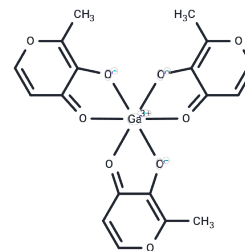


Gallium maltolate

Chemical Properties

CAS No. : 108560-70-9
 Formula: C₁₈H₁₅GaO₉
 Molecular Weight: 445.03
 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	Gallium maltolate is a ribonucleoside-diphosphate reductase inhibitor.
Targets(IC50)	Apoptosis,DNA/RNA Synthesis,MDM-2/p53

Solubility Information

Solubility	DMSO: 4.46 mg/mL (10.02 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	2.247 mL	11.2352 mL	22.4704 mL
5 mM	0.4494 mL	2.247 mL	4.4941 mL
10 mM	0.2247 mL	1.1235 mL	2.247 mL
50 mM	0.0449 mL	0.2247 mL	0.4494 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

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You R, et al. Cost Effectiveness of Bosentan for Pulmonary Arterial Hypertension: A Systematic Review. Can Respir J. 2018 Nov 18;2018:1015239.

Hopper RK, Rogers R, Lawrence KM, Hedrick HL. Reply. J Pediatr. 2019 Mar;206:305-306.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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