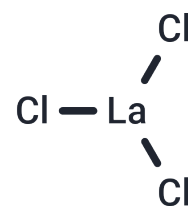


Lanthanum trichloride

Chemical Properties

CAS No. :	10099-58-8
Formula:	Cl ₃ La
Molecular Weight:	245.26
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Lanthanum trichloride can be used as an analytical reagent and can be used as a raw material for extracting metal lanthanum and as a petroleum cracking catalyst. Lanthanum chloride also has a certain role in the field of medicine. For example, studies have shown that the antagonistic effect of lanthanum chloride on endotoxin (LPS) in vivo effects has a certain impact on the search for new effective endotoxin antagonists, providing experimental evidence for the prevention and treatment of endotoxemia.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 1.87 mg/mL (7.62 mM),Sonication is recommended. DMSO: 55 mg/mL (224.25 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	4.0773 mL	20.3865 mL	40.7731 mL
5 mM	0.8155 mL	4.0773 mL	8.1546 mL
10 mM	0.4077 mL	2.0387 mL	4.0773 mL
50 mM	0.0815 mL	0.4077 mL	0.8155 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

Shanyu Fang et al. Lanthanum Chloride Sensitizes Cisplatin Resistance of Ovarian Cancer Cells via PI3K/Akt Pathway. *Front Med (Lausanne)*. 2021 Dec 15;8:776876.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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