

DL-4-Hydroxy-2-ketoglutarate lithium

Chemical Properties

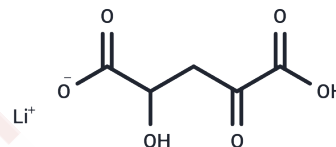
CAS No. :

Formula: C₅H₅LiO₆

Molecular Weight: 168.03

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	DL-4-Hydroxy-2-ketoglutarate lithium is a substrate for 4-hydroxy-2-oxoglutarate aldolase (HOGA), which can be cleaved by HOGA into pyruvate and glyoxylate.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9513 mL	29.7566 mL	59.5132 mL
5 mM	1.1903 mL	5.9513 mL	11.9026 mL
10 mM	0.5951 mL	2.9757 mL	5.9513 mL
50 mM	0.119 mL	0.5951 mL	1.1903 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

Williams EL, et, al. The enzyme 4-hydroxy-2-oxoglutarate aldolase is deficient in primary hyperoxaluria type 3. Nephrol Dial Transplant. 2012 Aug;27(8):3191-5.

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