

α -Ketoglutaric acid disodium hydrate

Chemical Properties

CAS No. :

Formula: C₅H₆Na₂O₆

Molecular Weight: 208.08

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	α -Ketoglutaric acid disodium hydrate is a key dicarboxylic acid that functions as an intermediate in the tricarboxylic acid cycle (TCC) and amino acid metabolism. It serves as a building block chemical for the synthesis of heterocyclic compounds, a component in dietary supplements, infusion solutions, and wound healing formulations, or as a primary constituent in novel elastomers with diverse mechanical and chemical properties.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8058 mL	24.0292 mL	48.0584 mL
5 mM	0.9612 mL	4.8058 mL	9.6117 mL
10 mM	0.4806 mL	2.4029 mL	4.8058 mL
50 mM	0.0961 mL	0.4806 mL	0.9612 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.

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