

Disodium succinate

Chemical Properties

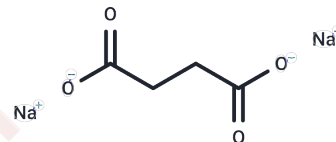
CAS No. : 150-90-3

Formula: C₄H₄Na₂O₄

Molecular Weight: 162.05

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	Disodium succinate (Sodium succinate) is the sodium salt form of succinate, which is an important metabolite at the cross-road of several metabolic pathways and involved in the formation and elimination of reactive oxygen species.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 250 mg/mL (1542.73 mM),Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.1709 mL	30.8547 mL	61.7093 mL
5 mM	1.2342 mL	6.1709 mL	12.3419 mL
10 mM	0.6171 mL	3.0855 mL	6.1709 mL
50 mM	0.1234 mL	0.6171 mL	1.2342 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

Zhang YJ, et al. Optimization of succinic acid fermentation with Actinobacillus succinogenes by response surface methodology (RSM). J Zhejiang Univ Sci B. 2012 Feb;13(2):103-10.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481