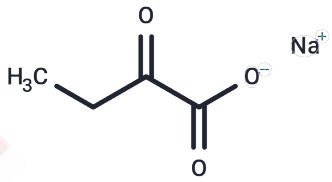
Data Sheet (Cat.No.TSH-00228)

TargetMol

Sodium 2-oxobutanoate

Chemical Properties



CAS No. : 2013-26-5

Formula: C4H5NaO3

Molecular Weight: 124.07

Storage: Keep away from moisture
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	Sodium 2-oxobutanoate is an organic compound commonly used as an acidity regulator, leavening agent, and preservative, and can be used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 80 mg/mL (644.8 mM),Sonication is recommended. DMSO: 20 mg/mL (161.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.060 mL	40.2998 mL	80.5997 mL
5 mM	1.612 mL	8.060 mL	16.1199 mL
10 mM	0.806 mL	4.030 mL	8.060 mL
50 mM	0.1612 mL	0.806 mL	1.612 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

Crout DH, et al. Stereochemistry of the conversions of L-threonine and D-threonine into 2-oxobutanoate by the L-threonine and D-threonine dehydratases of Serratia marcescens. Eur J Biochem. 1980 May;106(1):97-105.

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