

Sodium formate

Chemical Properties

CAS No. : 141-53-7

Formula: CHNaO2

Molecular Weight: 68.01

Keep away from moisture

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	Sodium formate has antiviral and antifungal properties, can inhibit carbonic anhydrase, and can also be used as a biochemical buffer.
Targets(IC50)	Antiviral,Antifungal

Solubility Information

Solubility	H2O: 80 mg/mL (1176.3 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	14.7037 mL	73.5186 mL	147.0372 mL
5 mM	2.9407 mL	14.7037 mL	29.4074 mL
10 mM	1.4704 mL	7.3519 mL	14.7037 mL
50 mM	0.2941 mL	1.4704 mL	2.9407 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

Innocenti A, Hall RA, Schlicker C, Mühlshlegel FA, Supuran CT. Carbonic anhydrase inhibitors. Inhibition of the β -class enzymes from the fungal pathogens *Candida albicans* and *Cryptococcus neoformans* with aliphatic and aromatic carboxylates. *Bioorganic & Medicinal Chemistry*. 2009 Apr;17(7):2654-7.

Alessio Innocenti, et al. Carbonic anhydrase inhibitors. Inhibition of the β -class enzyme from the pathogenic yeast *Candida glabrata* with anions, *Bioorganic & Medicinal Chemistry Letters*, Volume 19, Issue 16, 2009, Pages 4802-4805.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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