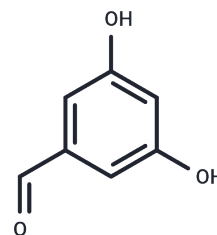


3,5-Dihydroxybenzaldehyde

Chemical Properties

CAS No. :	26153-38-8
Formula:	C7H6O3
Molecular Weight:	138.12
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	3,5-Dihydroxybenzaldehyde is a building block. ^{1,2} It has been used in the synthesis of 2,4-dimethylbenzoylhydrazones with antileishmanial and antioxidant activities.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 15 mg/mL (108.6 mM),Sonication is recommended. DMSO: 25 mg/mL (181 mM),Sonication is recommended. DMF: 20 mg/mL (144.8 mM),Sonication is recommended. PBS (pH 7.2): 3 mg/mL (21.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2401 mL	36.2004 mL	72.4008 mL
5 mM	1.448 mL	7.2401 mL	14.4802 mL
10 mM	0.724 mL	3.620 mL	7.2401 mL
50 mM	0.1448 mL	0.724 mL	1.448 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

Taha, M., Baharudin, M.S., Ismail, N.H., et al. Synthesis of 2-methoxybenzoylhydrazone and evaluation of their antileishmanial activity. *Bioorg. Med. Chem. Lett.* 23(11)3463-3466(2013)

Taha, M., Ismail, N.H., Jamil, W., et al. Synthesis, evaluation of antioxidant activity and crystal structure of 2,4-dimethylbenzoylhydrazones. *Molecules* 18(9)10912-10929(2013)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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