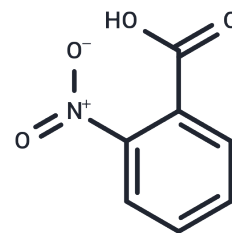


2-Nitrobenzoic acid

Chemical Properties

CAS No. :	552-16-9
Formula:	C7H5NO4
Molecular Weight:	167.12
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	2-Nitrobenzoic acid (o-Nitrobenzoic acid) is a antiproliferation agent. 2-Nitrobenzoic acid shows IC50 of 8.3 μ M to jurkat cell line expressing T type calcium channel alpha 1H or its splice variant delta 25.
Targets(IC50)	Others,Calcium Channel

Solubility Information

Solubility	DMSO: 60.00 mg/mL (359.02 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	5.9837 mL	29.9186 mL	59.8372 mL
5 mM	1.1967 mL	5.9837 mL	11.9674 mL
10 mM	0.5984 mL	2.9919 mL	5.9837 mL
50 mM	0.1197 mL	0.5984 mL	1.1967 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

Current Patent Assignee: UNIVERSITY OF VIRGINIA - WO2006/23883, 2006, A2

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