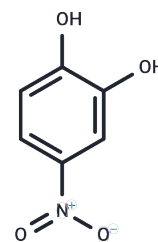


4-Nitrobenzene-1,2-diol

Chemical Properties

CAS No. :	3316-09-4
Formula:	C ₆ H ₅ NO ₄
Molecular Weight:	155.11
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	4-Nitrobenzene-1,2-diol (4-Nitrocatechol) is a benzene derivative that is biologically active as an inhibitor of various enzymes.
Targets(IC50)	Others,Endogenous Metabolite,Lipoxygenase

Solubility Information

Solubility	DMSO: 80 mg/mL (515.76 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	6.447 mL	32.2352 mL	64.4704 mL
5 mM	1.2894 mL	6.447 mL	12.8941 mL
10 mM	0.6447 mL	3.2235 mL	6.447 mL
50 mM	0.1289 mL	0.6447 mL	1.2894 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

Skrzypczak-Jankun E, Borbulevych OY, Jankun J. Soybean lipoxygenase-3 in complex with 4-nitrocatechol. Acta Crystallogr D Biol Crystallogr. 2004 Mar;60(Pt 3):613-5.

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