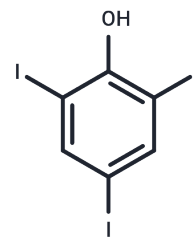


2,4,6-Triiodophenol

Chemical Properties

CAS No. :	609-23-4
Formula:	C ₆ H ₃ I ₃ O
Molecular Weight:	471.8
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	2,4,6-Triiodophenol is used as an iodinated disinfection by product formed during chlorination of sewage effluents. It is also used as a potent thyroid disrupting chemical and to investigate deiodinase
Targets(IC50)	Apoptosis,Others

Solubility Information

Solubility	DMSO: 250 mg/mL (529.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (21.2 mM),Suspension. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1195 mL	10.5977 mL	21.1954 mL
5 mM	0.4239 mL	2.1195 mL	4.2391 mL
10 mM	0.212 mL	1.0598 mL	2.1195 mL
50 mM	0.0424 mL	0.212 mL	0.4239 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

Yoichi Oba , Taiki Futagami, et al. Enrichment of a microbial consortium capable of reductive deiodination of 2,4,6-triiodophenol. J Biosci Bioeng. 2014 Mar;117(3):310-7.

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