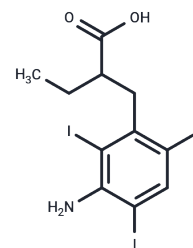


Iopanoic acid

Chemical Properties

CAS No. :	96-83-3
Formula:	C ₁₁ H ₁₂ I ₃ NO ₂
Molecular Weight:	570.93
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	Iopanoic acid is an iodine contrast agent and a 5'-Deiodinase inhibitor.
Targets(IC50)	Others,Thyroid hormone receptor(THR)

Solubility Information

Solubility	DMSO: 55 mg/mL (96.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.5 mM),Sonication is recommended. <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	1.7515 mL	8.7576 mL	17.5153 mL
5 mM	0.3503 mL	1.7515 mL	3.5031 mL
10 mM	0.1752 mL	0.8758 mL	1.7515 mL
50 mM	0.035 mL	0.1752 mL	0.3503 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

Renko K, et al. Endocrinology. 2012 May;153(5):2506-13.

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