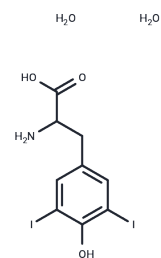


(S)-2-Amino-3-(4-hydroxy-3,5-diiodophenyl)propanoic acid dihydrate

Chemical Properties

CAS No. :	18835-59-1
Formula:	C ₉ H ₁₃ I ₂ N ₂ O ₅
Molecular Weight:	469.02
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	(S)-2-Amino-3-(4-hydroxy-3,5-diiodophenyl)propanoic acid dihydrate (jodgorgon) results from the iodination of MONOIODOTYROSINE. During thyroid hormone biosynthesis, diiodotyrosine residues couple with either monoiodotyrosine or diiodotyrosine residues to form T3 or T4 thyroid hormones.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 27.5 mg/mL (58.63 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 (4.26 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	2.1321 mL	10.6605 mL	21.3211 mL
5 mM	0.4264 mL	2.1321 mL	4.2642 mL
10 mM	0.2132 mL	1.0661 mL	2.1321 mL
50 mM	0.0426 mL	0.2132 mL	0.4264 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

Liu D, et al. Biol Trace Elem Res. 2015 Dec;168(2):447-52.

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