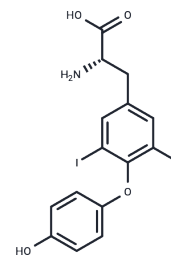


3,5-Diiodo-L-thyronine

Chemical Properties

CAS No. :	1041-01-6
Formula:	C ₁₅ H ₁₃ I ₂ NO ₄
Molecular Weight:	525.08
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	3,5-Diiodo-L-thyronine (Diiodothyronine) is an iodinated thyronine hormone that regulates gene activity affecting processes such as homeostasis, lipid metabolism and insulin resistance.
Targets(IC50)	Endogenous Metabolite,Thyroid hormone receptor(THR)

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9045 mL	9.5224 mL	19.0447 mL
5 mM	0.3809 mL	1.9045 mL	3.8089 mL
10 mM	0.1904 mL	0.9522 mL	1.9045 mL
50 mM	0.0381 mL	0.1904 mL	0.3809 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

- Huang CJ.etal.Acute effects of thyroid hormone analogs on sodium currents in neonatal rat myocytes.J Mol Cell Cardiol. 1999 Apr;31(4):881-93.
- Hernandez A.etal.3,5-diiodo-L-thyronine (t2) in dietary supplements: what are the physiological effects? Endocrinology. 2015 Jan;156(1):5-7.

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