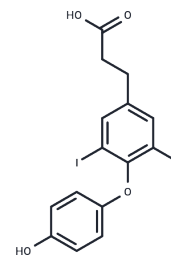


3,5-Diiodothyropropionic acid

Chemical Properties

CAS No. :	1158-10-7
Formula:	C15H12I2O4
Molecular Weight:	510.06
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	3,5-Diiodothyropropionic acid (C082182) is a thyroid hormone analog. It induces α -myosin heavy chain mRNA expression, binds to thyroid hormone receptor (K_a : 2.40/M and 4.06/M for TR α 1 and TR β 1).
Targets(IC50)	Thyroid hormone receptor(THR)

Solubility Information

Solubility	DMSO: 45 mg/mL (88.22 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	1.9606 mL	9.8028 mL	19.6055 mL
5 mM	0.3921 mL	1.9606 mL	3.9211 mL
10 mM	0.1961 mL	0.9803 mL	1.9606 mL
50 mM	0.0392 mL	0.1961 mL	0.3921 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.

Reference

Pennock GD, et al. Cardiac effects of 3,5-diiodothyropropionic acid, a thyroid hormone analog with inotropic selectivity. J Pharmacol Exp Ther. 1992 Oct;263(1):163-9.

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