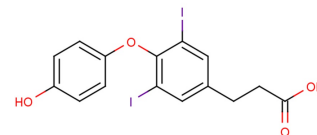


3,5-Diiodothyropropionic acid

Chemical Properties

CAS No.:	1158-10-7
Formula:	C ₁₅ H ₁₂ I ₂ O ₄
Molecular Weight:	510.06
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	3,5-Diiodothyropropionic acid 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(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 50 mg/mL (98.03 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.961 mL	9.803 mL	19.606 mL
5 mM	0.392 mL	1.961 mL	3.921 mL
10 mM	0.196 mL	0.98 mL	1.961 mL
50 mM	0.039 mL	0.196 mL	0.392 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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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