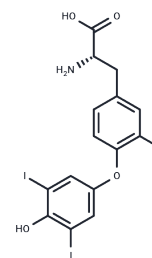


REVERSE T3

Chemical Properties

CAS No. :	5817-39-0
Formula:	C15H12I3NO4
Molecular Weight:	650.97
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Reverse T3 (3,3',5'-triiodo-L-thyronine) inhibits the increase of sodium current generated by other thyroid hormone analogs in neonatal rat myocytes.
Targets(IC50)	Thyroid hormone receptor(THR)
In vitro	Reverse T3(T3) pre-conditioning leads to beneficial effects in the liver of brain-dead rats as seen by lower cellular injury and reduced apoptosis, and supports the suggested role of reverse T3(T3) hormone therapy in the management of brain-dead donors[1].
Cell Research	Brain death (BD) was induced in mechanically ventilated rats by inflation of a Fogarty catheter in the epidural space. T3 (0.1 mg/kg) or vehicle was administered intraperitoneally 2 h prior to BD induction. After 4 h of BD, serum and liver tissue were collected. RT-qPCR, routine biochemistry, and immunohistochemistry were performed [1].

Solubility Information

Solubility	DMSO: 17.76 mg/mL (27.28 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	1.5362 mL	7.6808 mL	15.3617 mL
5 mM	0.3072 mL	1.5362 mL	3.0723 mL
10 mM	0.1536 mL	0.7681 mL	1.5362 mL
50 mM	0.0307 mL	0.1536 mL	0.3072 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

Rebolledo R A , Erp A C V , Ottens P J , et al. Anti-Apoptotic Effects of 3,3',5-Triiodo-L-Thyronine in the Liver of Brain-Dead Rats[J]. PLOS ONE, 2015, 10(4):249-250.

Nicod P , Burger A , Staeheli V , et al. Radioimmunoassay for 3,3',5'-triiodo-L-thyronine in unextracted serum: method and clinical results[J]. J Clin Endocrinol Metab, 1976, 42(5):823-829.

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