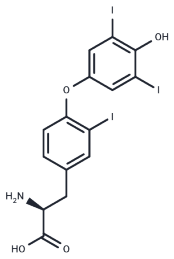
# Data Sheet (Cat.No.T7578)

TargetMol
YOUR TARGET MOLECULES

REVERSE T3

## Chemical Properties



CAS No. : 5817-39-0

Formula: C15H12I3NO4

Molecular Weight: 650.97

Appearance: no data available

Storage: store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## 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: 32.55mg/mL(50mM),<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

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.

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.



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