

3,3',5-Triiodo-L-thyronine

Catalog No: tcsc4141



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

6893-02-3

Formula:

$C_{15}H_{12}I_3NO_4$

Pathway:

Others

Target:

Thyroid Hormone Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 6.9 mg/mL (10.60 mM)

Alternative Names:

T3;L-3,3',5-Triiodothyronine;Liothyronine;Tresitope

Observed Molecular Weight:

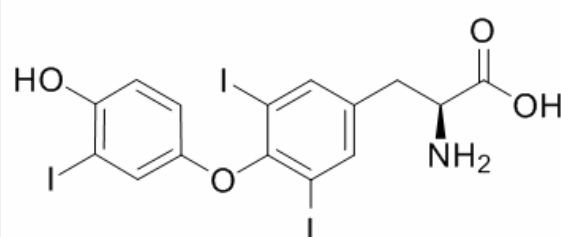
650.97

Product Description

3,3',5-Triiodo-L-thyronine is a potent agonist of thyroid hormone receptors **TR α** and **TR β** with **K_is** of 2.3 nM.

IC50 & Target: TR β 1^{[1][2]}

In Vitro: 3,3',5-Triiodo-L-thyronine (T3, 100 nM) stimulates the proliferation of hepatocarcinoma cells in which TR β 1 is overexpressed^[1]. 3,3',5-Triiodo-L-thyronine binds to human β 1 thyroid hormone receptor (hTR β 1), and change its conformation. 3,3',5-Triiodo-L-thyronine promotes growth, induces differentiation and regulates metabolic effects^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!