

## Product Datasheet

### Liothyronine (orb1307879)

<b>Catalog Number</b>	orb1307879
<b>Category</b>	Small Molecules
<b>Description</b>	Liothyronine (T3) is a potent synthetic agonist of thyroid hormone receptors TR $\alpha$ and TR $\beta$ (K <sub>i</sub> = 2.33 nM). It is widely used in research to study thyroid hormone signaling, metabolic regulation, and to establish hyperthyroidism models in both in vitro and in vivo experimental systems.
<b>Target</b>	Thyroid hormone receptor(THR),Endogenous Metabolite
<b>Purity</b>	99.33% (May vary between batches)
<b>MW</b>	650.97
<b>Target Areas</b>	Endogenous Metabolite Thyroid hormone receptor(THR)
<b>Solubility (25°C)</b>	DMSO:3.25 mg/mL (4.99 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:4.95 mg/mL (7.6 mM)
<b>CAS Number</b>	6893-02-3
<b>Formula</b>	C <sub>15</sub> H <sub>12</sub> I <sub>3</sub> NO <sub>4</sub>
<b>SMILES</b>	<chem>N[C@@H](Cc1cc(I)c(Oc2ccc(O)c(I)c2)c(I)c1)C(=O)O</chem>
<b>Storage</b>	Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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