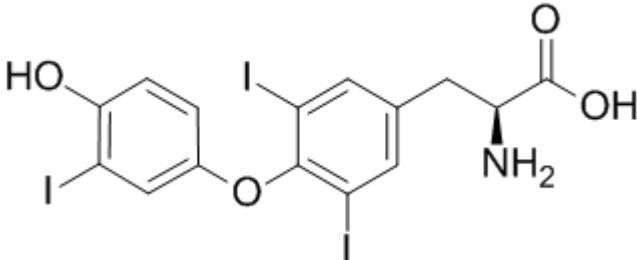


3,3',5-Triiodo-L-thyronine

Cat# C3250– 250 mg/1 g/5 g

Storage -20°C for 2 years

INTFORMATION

Product Name	3,3',5-Triiodo-L-thyronine
Cat NO.	C3250
Size	250 mg/1 g/5 g
Description	3,3',5-Triiodo-L-thyronine also referred to as O-(4-Hydroxy-3-iodophenyl)-3,5-diiodo-L-tyrosine or T3 is the biologically active thyroid hormone. In hypothyroidism patients, triiodothyronine enhances mood and neuropsychological function. The product also positively regulates the hepatic FGF21 expression and stimulates the metabolic breakdown of glucose, fats, and proteins by enhancing the levels of numerous metabolic enzymes such as hexokinase, liver glucose 6-phosphatase as well as mitochondrial enzymes for oxidative phosphorylation. Additionally, the product facilitates the normal body growth in children and is pivotal for central nervous system maturation in foetus.
Application	3,3',5-Triiodo-L-thyronine can be used for Insulin-like growth factor I assays performed by using a double antibody radioimmunoassay. The product can also be used for in vitro transfection of 293T cells.
Cas No.	6893-02-3
Purity	>98%
Solubility	3,3',5-Triiodo-L-thyronine dissolves in 4M NH ₄ OH in MeOH at 5 mg/ml to yield a colorless to light yellow, clear to very slightly hazy solution.
Molecular Formulation	C ₁₅ H ₁₂ I ₃ NO ₄
Molecular Weight	650.97
Storage	-20°C for 2 years
Image	 <p>The image shows the chemical structure of 3,3',5-Triiodo-L-thyronine. It consists of a central tyrosine backbone where the phenol ring is substituted with a 3,5-diiodo-4-hydroxyphenyl group. The tyrosine side chain is in the L-configuration, with the amino group (NH₂) on a wedge and the carboxylic acid group (COOH) on a dash.</p>

PRODUCT USE LIMITATION

These products are intended for research use only.