
Product Data Sheet

Product Name: L-Thyronine

Cat. No.: GA23155

Chemical Properties

Cas. No. 1596-67-4

Formula $C_{15}H_{15}NO_4$ M.Wt 273.29

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

L-Thyronine is a deiodinated thyroid hormone. L-Thyronine is formed by the condensation of two tyrosine residues and is a basic structural molecule of a class of thyroid hormones. L-Thyronine is inactive at rat $GABA_A$ receptors with an IC_{50} greater than $100\mu M$, and is commonly used as a non-iodinated scaffold control in studies of thyroid hormone and its analogues^[1].

References:

[1] Martin JV, Padron JM, Newman MA, Chapell R, Leidenheimer NJ, Burke LA. Inhibition of the activity of the native gamma-aminobutyric acid A receptor by metabolites of thyroid hormones: correlations with molecular modeling studies. Brain Res. 2004;1004(1-2):98-107.

Caution: Product has not been fully validated for medical applications. For research use only.

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