

Product Data Sheet

Product Name: L-Thyroxine-N-methylamide

Cat. No.: GC52021

Chemical Properties

Cas. No. 2088032-52-2

SMILES IC(C=C(C=C1I)C[C@H](N)C(NC)=O)=C1OC2=CC(I)=C(C(I)=C2)O

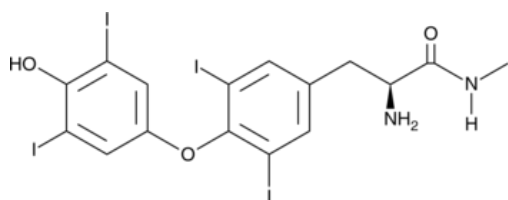
Formula C₁₆H₁₄I₄N₂O₃ M.Wt 789.9

Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, Ethanol: Slightly soluble, PBS (pH 7.2): 0.20 mg/ml
Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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-Thyroxine-N-methylamide is a potential impurity found in commercial preparations of the synthetic thyroid hormone form L-thyroxine.¹

1. Panmanad, D., Joshi, M.S., Patil, R., et al. Synthesis and characterization of potential impurities in levothyroxine. Chem. Sci. Trans. 5(4)1082-1089(2016)

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

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