



CERTIFICATE OF ANALYSIS

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1. Identification

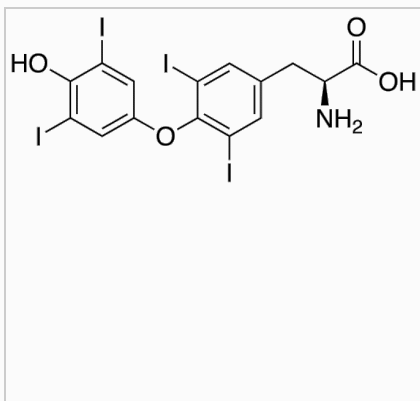
Catalogue Number: T425600

CAS Number: 51-48-9

Product: Thyroxine

Synonym: O-(4-Hydroxy-3,5-diiodophenyl)-3,5-diiodo-L-tyrosine; (-)-Thyroxine; 3,3',5,5'-Tetraiodo-L-tyronine; Henning; L-T4; L-Thyroxin; Levothyroxine; NSC 36397; T4; T4 (hormone); Thyrax; Thyreoideum; Thyroxin; Thyroxinal; Tetraiodothyronine;

Structure:



Molecular Formula:

$C_{15}H_{11}I_4NO_4$

Molecular weight:

776.87

Source of Product:

N/A

Solubility:

Acidic Methanol (Slightly),
Basic Methanol (Very Slightly),
DMSO (Slightly)

Lot Number: 3-MXZ-37-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	Pale Beige Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.00% (225 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	6/13/2022	6/11/2026