



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

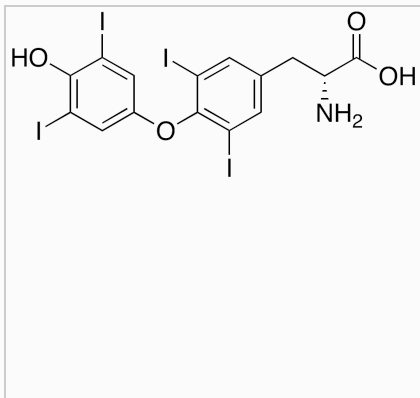
Catalogue Number: T425605

CAS Number: 51-49-0

Product: D-Thyroxine

Synonym: O-(4-Hydroxy-3,5-diiodophenyl)-3,5-diiodo-D-tyrosine; 3,3',5,5'-Tetraiodo-D-thyronine; Dextrothyroxine;

Structure:



Molecular Formula:

C₁₅H₁₁I₄NO₄

Molecular weight:

776.87

Source of Product:

N/A

Solubility:

Acidic Alcohol (Slightly),
Aqueous Acid (Slightly,
Sonicated), Aqueous Base (Sli

Lot Number: 14-QIU-171-1

Purity: 96%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Beige Solid	Pale Beige to Pale Brown Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-17.7° (c = 0.2, 1N HCl : Ethanol = 2 :8)
Elemental Analysis	Conforms	%C: 23.17, %H: 1.23, %N: 1.75

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
Neha Khanna	Toni Rantanen	Chanell Chu	4/25/2022	4/23/2026