



CERTIFICATE OF ANALYSIS

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1. Identification

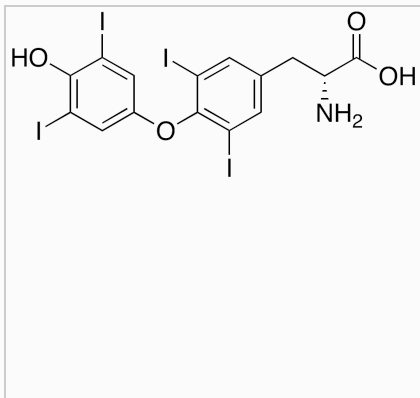
Catalogue Number: T425605

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: 21-ZEA-187-1

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:
Elemental Analysis	Conforms	%C: 21.95, %H: 1.71, %N: 1.79
Appearance	Off-White to Beige Solid	Pale Beige to Light Brown Solid
NMR	Conforms to Structure	Conforms
Water Content	Report Result	~3.3% based on Elemental Analysis
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-18.5° (c = 0.2, 1N HCl : Ethanol = 2 :8)

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 ± 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
Evan Burns	Toni Rantanen	Chanell Chu	9/17/2021	9/15/2025