

Certificate of Analysis

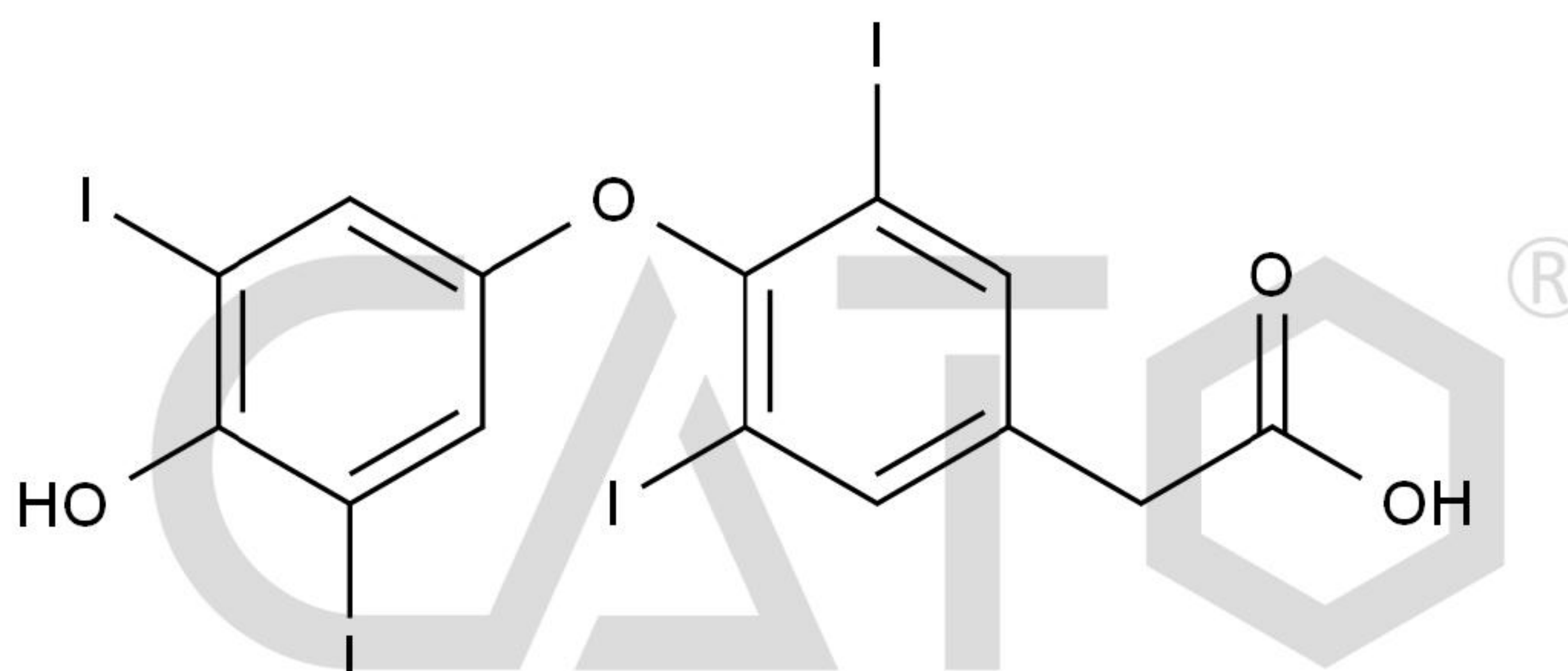
Reference Material & Standard

Product Name:	Levothyroxine EP Impurity D	Catalogue Number:	C4X-16784
Synonyms:	T4-Acetic acid/Liothyronine EP Impurity D	Lot Number:	0705-RH-0011
CAS Number:	67-30-1	Expiry Date:	Jul 07, 2030
Molecular Formula:	C ₁₄ H ₈ I ₄ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	747.83	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.464%
Loss on Drying	TGA	0.4250%
Assay		99.0%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

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Approved by General Manager:

David

Date: Jul 08, 2026

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