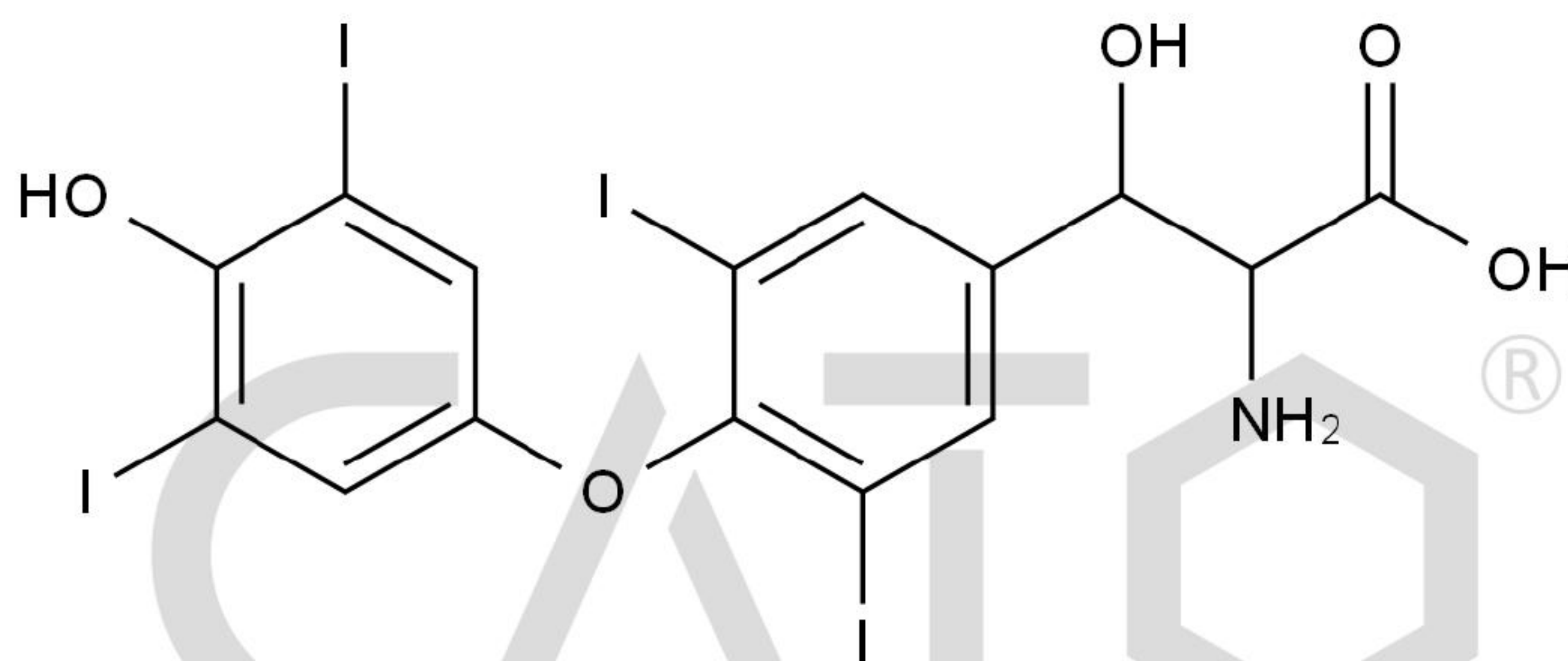


Certificate of Analysis

Reference Material & Standard

Product Name:	Levothyroxine Impurity 30	Catalogue Number:	C4X-167830
Synonyms:	N/A	Lot Number:	1128-RG-0113
CAS Number:	107849-54-7	Expiry Date:	Jun 17, 2029
Molecular Formula:	C ₁₅ H ₁₁ I ₄ NO ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	792.87	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	95.307%
Water Content	Karl Fischer	1.78%
Residual Solvents	NMR	Not detected in NMR
Assay		93.6%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hin Lam

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 01, 2025

Date: Dec 01, 2025

Date: Dec 01, 2025

