

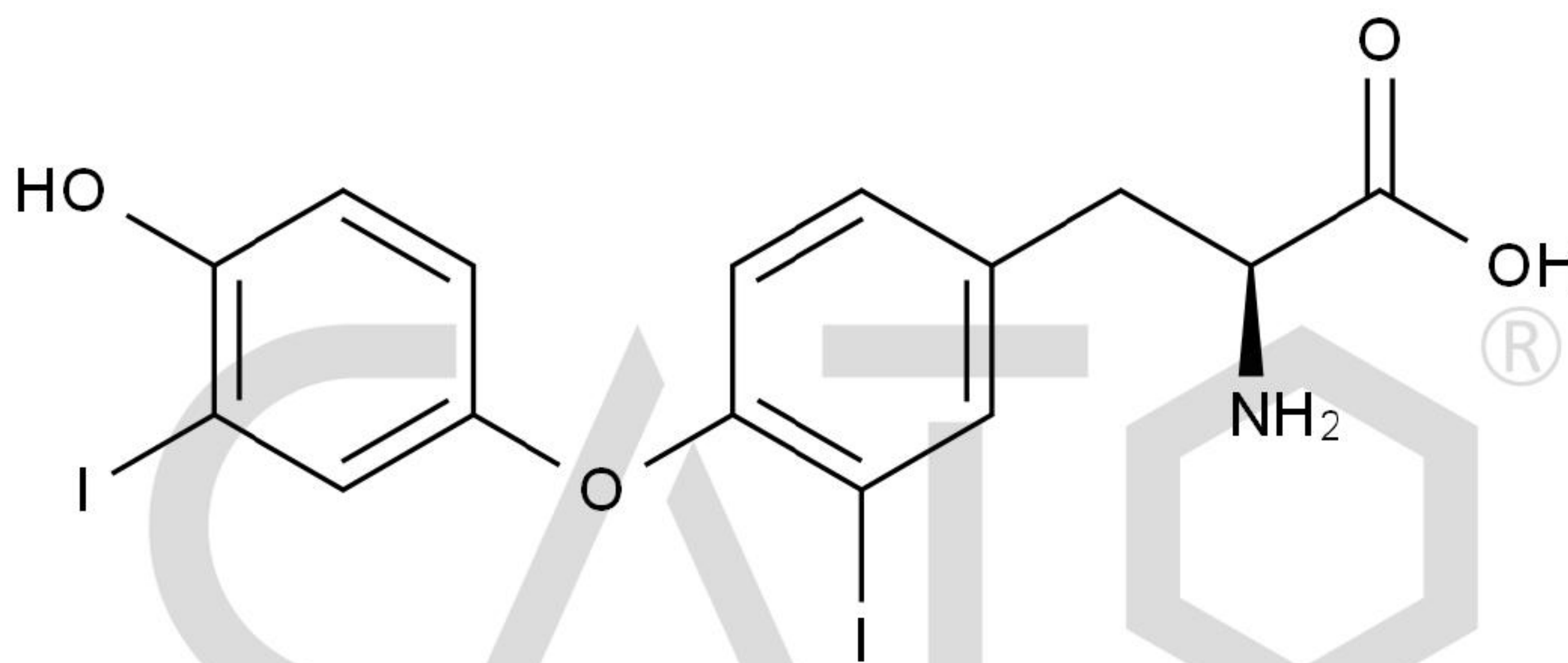
Certificate of Analysis

Reference Material & Standard

Product Name:	Levothyroxine EP Impurity J	Catalogue Number:	C4X-167813
Synonyms:	N/A	Lot Number:	1226-RF-0064
CAS Number:	4604-41-5	Expiry Date:	Jul 20, 2027
Molecular Formula:	C ₁₅ H ₁₃ I ₂ NO ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	525.08	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White to Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.928%
Loss On Drying	TGA	2.6624%
Assay		93.4%

Comment:

The calculation of the 100% 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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 21, 2025

Date: Jul 21, 2025

Date: Jul 21, 2025

