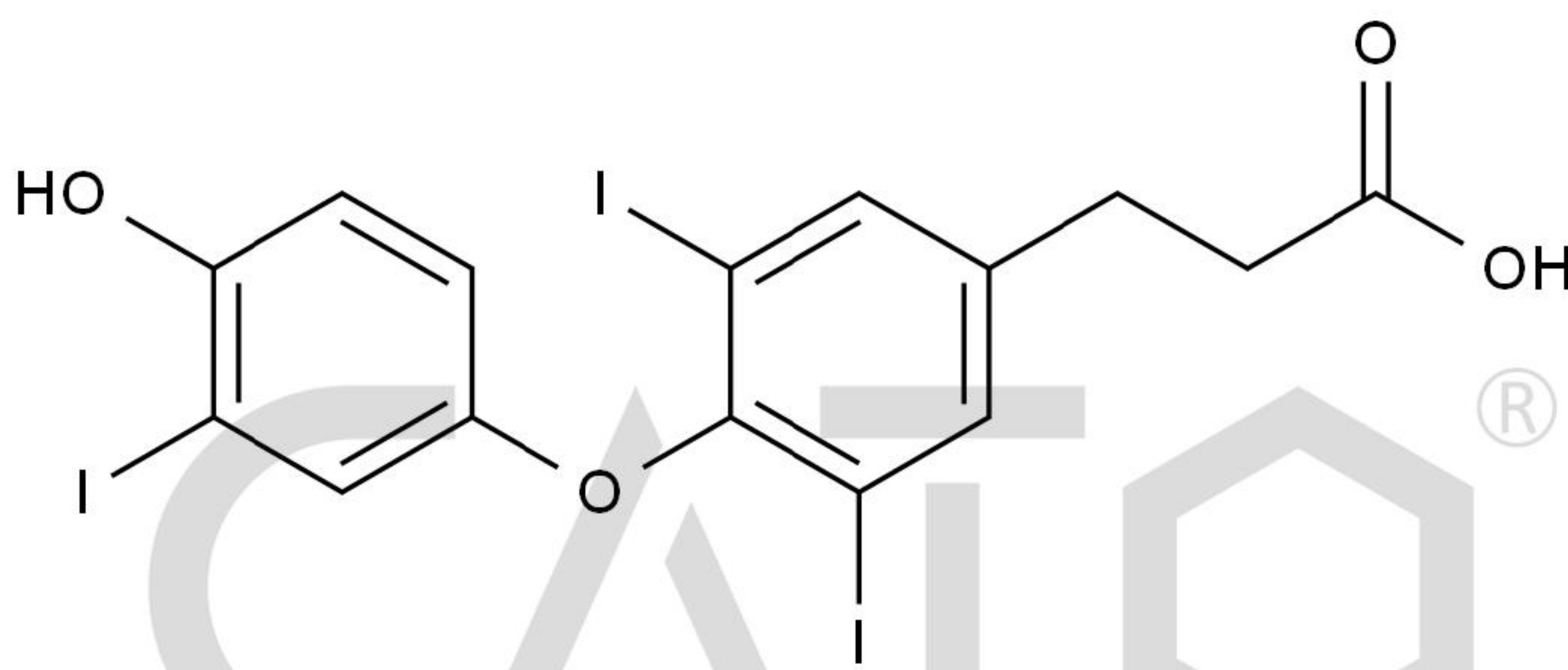


Certificate of Analysis

Reference Material & Standard

Product Name:	Levothyroxine Impurity 17	Catalogue Number:	C4X-167817
Synonyms:	N/A	Lot Number:	0424-RG-0025
CAS Number:	51-26-3	Expiry Date:	Apr 18, 2028
Molecular Formula:	C ₁₅ H ₁₁ I ₃ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	635.96		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.287%
Water Content	Karl Fischer	0.26%
Residual Solvents	NMR	0.03% acetonitrile
Assay		99.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$

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

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Apr 24, 2025

Date: Apr 25, 2025

Date: Apr 25, 2025

