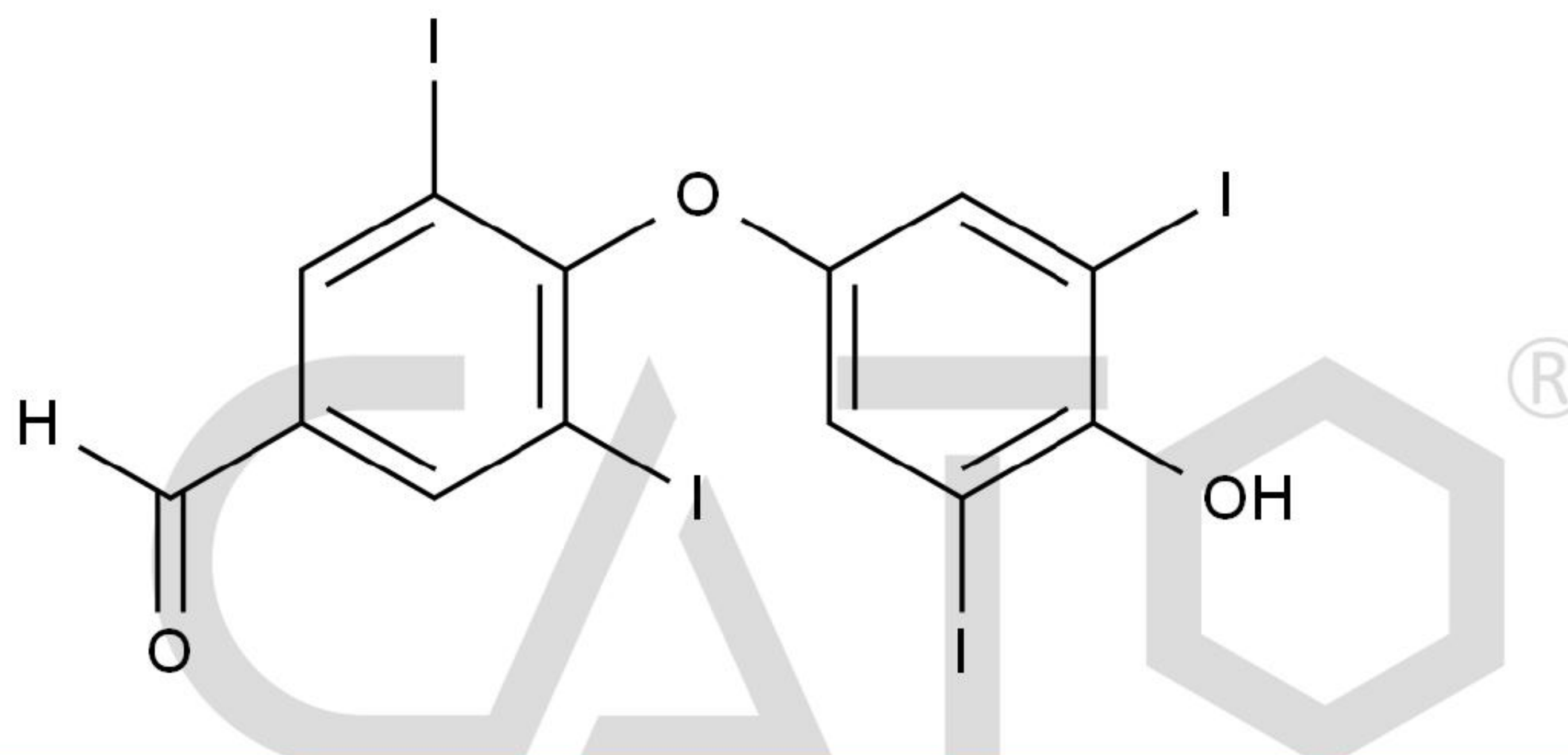


Certificate of Analysis

Reference Material & Standard

Product Name:	Levothyroxine EP Impurity I	Catalogue Number:	C4X-16789
Synonyms:	T4-Aldehyde	Lot Number:	0226-RH-0039
CAS Number:	2016-06-0	Expiry Date:	Jan 19, 2028
Molecular Formula:	C ₁₃ H ₆ I ₄ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	717.80	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Brown Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	94.78%
Loss On Drying	TGA	0.227%
Assay		94.6%

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:

Reviewed by:

Approved by General Manager:

Date: Feb 26, 2026

Date: Feb 27, 2026

Date: Feb 27, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

