

Certificate of Analysis

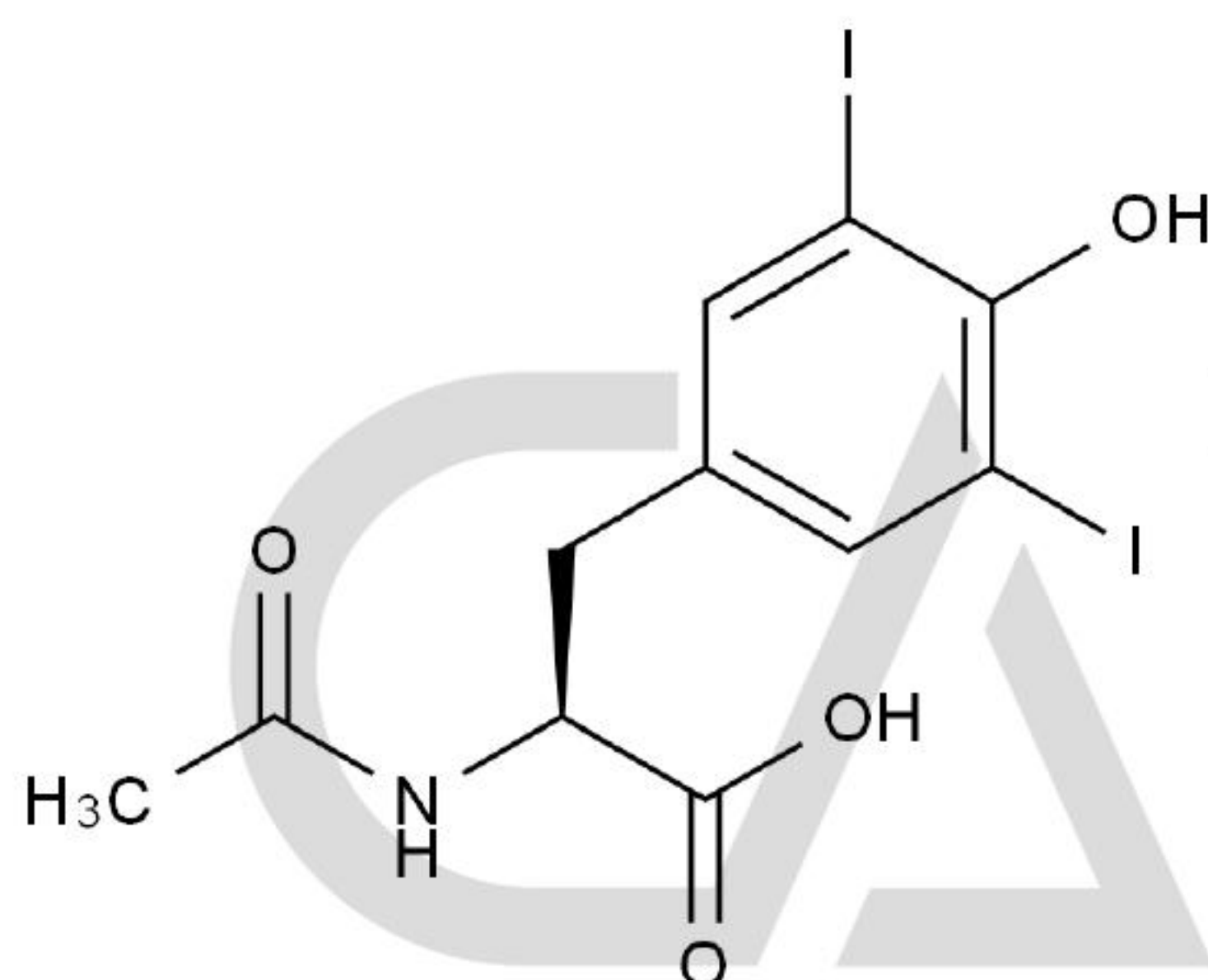
Reference Material & Standard

Product Name:	Levothyroxine Impurity 38	Catalogue Number:	C4X-167838
Synonyms:	N/A	Lot Number:	0127-RH-0008
CAS Number:	1027-28-7	Expiry Date:	Jan 29, 2030
Molecular Formula:	C ₁₁ H ₁₁ I ₂ NO ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	475.02	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.596%
Water Content	Karl Fischer	3.2186%
Assay		96.4%

Comment:

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

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jan 30, 2026

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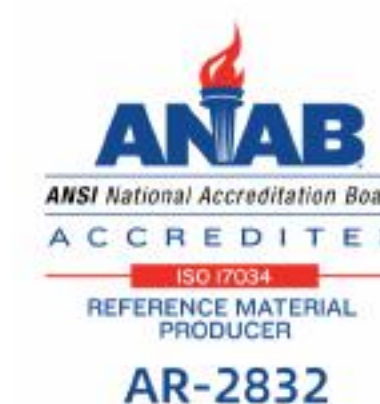
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