

Analysis Date: 26-09-2025

Re-test Date: 26-09-2028

LEVOTHYROXINE N-ACETYL IMPURITY (USP)

Identification

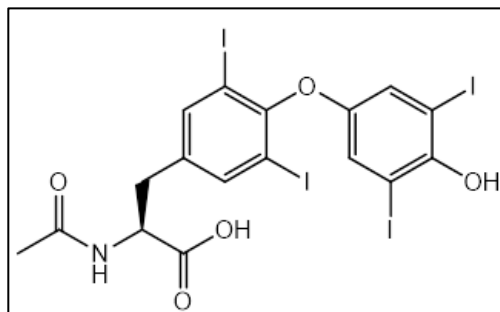
Chemical Name : N-Acetyl-O-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodo-L-tyrosine

CAT No : ALL-L07407

CAS No : 26041-51-0

Molecular Formula : C₁₇H₁₃I₄NO₅

Molecular Weight : 818.91



Analytical Information

Batch Code : ALL-L07407

HPLC Purity : 98.00%

Solubility : USP Diluent / EP Diluent (MEOH)

Potency : 96.49%

Appearance of Product : Off White Solid

Mass : Confirm

Long Term Storage : -20°C

IR Analysis : Confirm

Weight Loss By TGA : 0.711%

¹H NMR : Confirm

Residue Of Ignition : 0.801%

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.602 + 0.704) \times 98.00] / 100 = 96.49\%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Kechhe Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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