

Analysis Date: 26-09-2025

Re-test Date: 26-09-2028

LEVOTHYROXINE IMPURITY 12

Identification

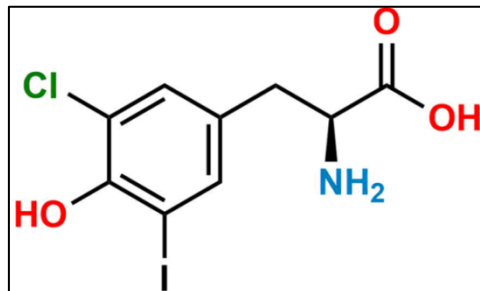
Chemical Name : (S)-2-Amino-3-(3-chloro-4-hydroxy-5-iodophenyl)propanoic acid

CAT No : ALL-L07417

CAS No : 889871-36-7

Molecular Formula : C₉H₉ClINO₃

Molecular Weight : 341.5



Analytical Information

Batch Code : ALL-L07417

HPLC Purity : 98.00%

Solubility : USP Diluent / EP Diluent (MEOH)

Potency : 97.26%

Appearance of Product : Off White Solid

Mass : Confirm

Long Term Storage : -20°C

IR Analysis : Confirm

Weight Loss By TGA : 0.275%

¹H NMR : Confirm

Residue Of Ignition : 0.476%

Additional Information

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

$$[100 - (0.275 + 0.476) \times 98.00] / 100 = 97.26\%$$

Recommendation : Released

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