

Analysis Date: 26-09-2025

Re-test Date: 26-09-2028

LEVOTHYROXINE IMPURITY 6

Identification

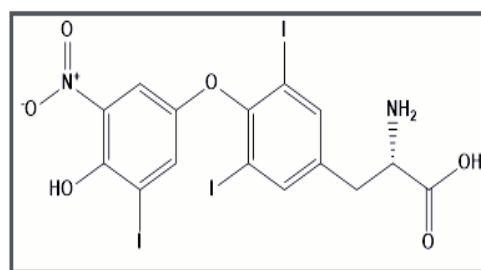
Chemical Name : (S)-2-amino-3-(4-(4-hydroxy-3-iodo-5-nitrophenoxy)-3,5-diiodophenyl)propanoic acid

CAT No : ALL-LEVO-O-HY

CAS No : 105172-64-3

Molecular Formula : C₁₅H₁₁I₃N₂O₆

Molecular Weight : 695.97



Analytical Information

Batch Code	: ALL-LEVO-O-HY	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

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
[100 - (0.275+0.476) × 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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