

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY F

Identification

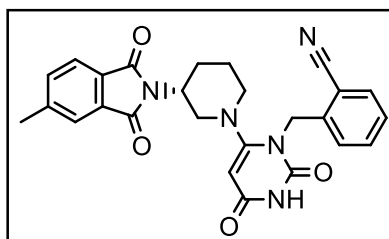
Chemical Name : (R)-2-((6-(3-(5-Methyl-1,3-dioxoisindolin-2-yl)piperidin-1-yl)-2,4-dioxo-3,4-dihydropyrimidin-1(2H-yl)methyl)benzotrile

CAT No : ALL-ALO- 4554

CAS No : 1638544-55-4

Molecular Formula : C₂₆H₂₃N₅O₄

Molecular Weight : 469.5


Analytical Information

Batch Code	: ALL-ALE- 4554	HPLC Purity	: 98.35 %
Solubility	: MeOH: ACN	Potency	: 97.18 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.134 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.055 %		

Additional Information

%Potency = [100 - (Residue % + Water %) × Chromatographic Purity%]/100 =
 [100 - (1.134+0.055) × 98.35]/100 = 97.18 %

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar 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