

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 37

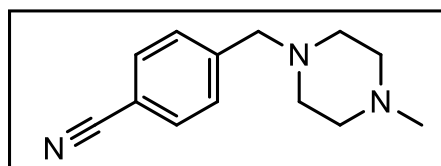
Identification

Chemical Name : 4-((4-Methylpiperazin-1-yl)methyl)benzonitrile

CAT No : ALL-ALO- 3637

CAS No : 125743-63-7

Molecular Formula : C₁₃H₁₇N₃



Molecular Weight : 215.3

Analytical Information

Batch Code	: ALL-ALE- 3637	HPLC Purity	: 97.93 %
Solubility	: MeOH: ACN	Potency	: 96.72 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.159 %	¹ HNMR	: Confirm
Residue Of Ignition	: 0.076 %		

Additional Information

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

[100 - (1.159+0.076) × 97.93]/100 = 96.72 %

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