

Analysis Date: 29-12-2025

Re-test Date: 29-12-2028

ABEMACICLIB IMPURITY 33

Identification

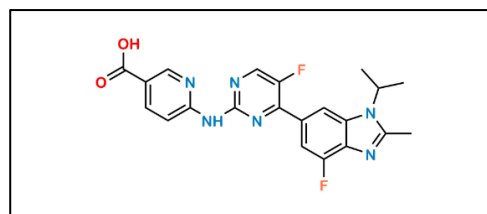
Chemical Name : 6-((5-Fluoro-4-(4-fluoro-1-isopropyl-2-methyl-1H-benzo[d]imidazol-6-yl)pyrimidin-2-yl)amino)nicotinic acid

CAT No : ALL-A07542

CAS No : N.A.

Molecular Formula : C₂₁H₁₈F₂N₆O₂

Molecular Weight : 424.4



Analytical Information

Batch No	: ALL-A07542	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.59 %
Appearance of Product	: OFF WHITE SOLID	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.362 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.047 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.362+0.047) × 98.00]/100 = 97.59 %

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse QA Officer	
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