

Analysis Date: 09-02-2023

Re-test Date: 09-02-2026

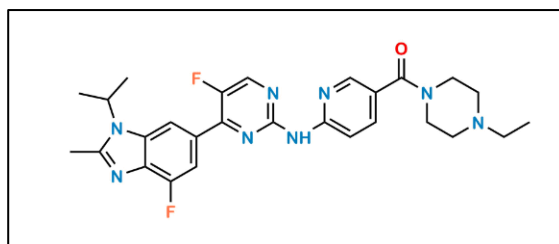
ABEMACICLIB IMPURITY 31

Identification
Chemical Name : (4-Ethylpiperazin-1-yl)(6-((5-fluoro-4-(4-fluoro-1-isopropyl-2-methyl-1H-benzo[d]imidazol-6-yl)pyrimidin-2-yl)amino)pyridin-3-yl)methanone

CAT No : ALL-A07540

CAS No : 1873299-08-1

Molecular Formula : C₂₇H₃₀F₂N₈O

Molecular Weight : 520.6

Analytical Information

Batch Code	: ALL-A07540	HPLC Purity	: 97.33 %
Solubility	: MeOH: ACN	Potency	: 95.64 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8°C	IR Analysis	: Confirm
Weight Loss By TGA	: 1.183 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.548 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (1.183 + 0.548) × 97.33]/100 = 95.64 %

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