

Analysis Date: 29-12-2025

Re-test Date: 29-12-2028

ABEMACICLIB NITROSO IMPURITY 5

Identification

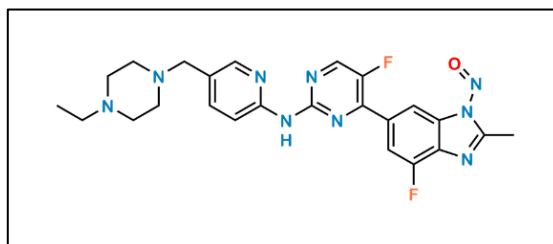
Chemical Name : N-(5-((4-Ethylpiperazin-1-yl)methyl)pyridin-2-yl)-5-fluoro-4-(4-fluoro-2-methyl-1-nitroso-1H-benzo[d]imidazol-6-yl)pyrimidin-2-amine

CAT No : ALL-A07556

CAS No : N.A.

Molecular Formula : C₂₄H₂₅F₂N₉O

Molecular Weight : 493.5



Analytical Information

Batch No	: ALL-A07556	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.53%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.105%	¹HNMR	: Confirm
Residue Of Ignition	: 0.366%		

Additional Information

%Potency = [100 -(Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 – (0.105+0.366) × 98.00]/100 = 97.53%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase QA Officer	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office