

Analysis Date: 09-12-2025

Re-test Date: 09-12-2028

ABEMACICLIB IMPURITY 43

Identification

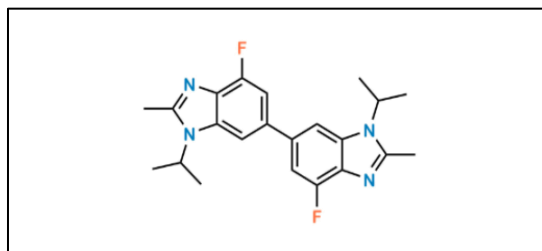
Chemical Name : 7,7'-Difluoro-3,3'-diisopropyl-2,2'-dimethyl-3H,3'H-5,5'-bibenzo[d]imidazole

CAT No : ALL-A07550

CAS No : 3062616-90-1

Molecular Formula : C₂₂H₂₄F₂N₄

Molecular Weight : 382.5



Analytical Information

Batch No.	: ALL-A07550	HPLC Purity	: 98.00 %
Solubility	: MeOH: ACN	Potency	: 96.69 %
Appearance of Product	: Yellow to light greenish Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 1.316 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.012 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (1.316+0.012) × 98.00]/100 = 96.69 %

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