

Analysis Date: 17-12-2025

Re-test Date: 17-12-2028

## ABEMACICLIB IMPURITY 36

### Identification

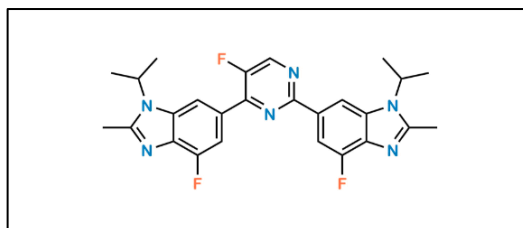
**Chemical Name** : 6,6'-(5-fluoropyrimidine-2,4-diyl)bis(4-fluoro-1-isopropyl-2-methyl-1H-benzo[d]imidazole)

**CAT No** : ALL-A07545

**CAS No** : N.A.

**Molecular Formula** : C<sub>26</sub>H<sub>25</sub>F<sub>3</sub>N<sub>6</sub>

**Molecular Weight** : 478.5



### Analytical Information

<b>Batch No</b>	: ALL-A07545	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.22 %
<b>Appearance of Product</b>	: Light Brown Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.471 %	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.338 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.471 + 0.338) × 98.00]/100 = 96.22 %

**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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office