

Analysis Date: 09-12-2025

Re-test Date: 09-12-2028

## ABEMACICLIB IMPURITY 29

### Identification

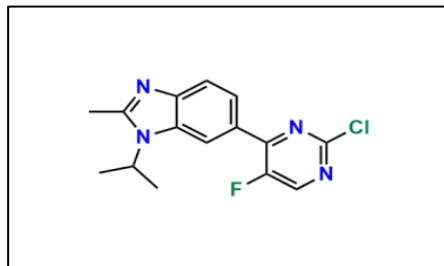
**Chemical Name** : 6-(2-Chloro-5-fluoropyrimidin-4-yl)-1-isopropyl-2-methyl-1H-benzo[d]imidazole

**CAT No** : ALL-A07538

**CAS No** : 1873303-32-2

**Molecular Formula** : C<sub>15</sub>H<sub>14</sub>ClFN<sub>4</sub>

**Molecular Weight** : 304.8



### Analytical Information

<b>Batch No.</b>	: ALL-A07538	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 96.69 %
<b>Appearance of Product</b>	: Yellow to light greenish Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 <sup>0</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.316 %	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office