

Analysis Date: 01-01-2026

Re-test Date: 01-01-2029

## ABROCITINIB IMPURITY 4

### Identification

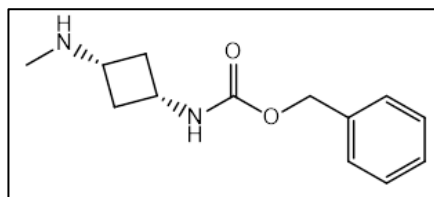
**Chemical Name** : Benzyl ((1s,3s)-3-(methylamino)cyclobutyl)carbamate

**CAT No** : ALL-A07557

**CAS No** : 1353501-22-0

**Molecular Formula** : C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 234.3



### Analytical Information

<b>Batch No.</b>	: ALL-A07557	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 95.36 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.854 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.831%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.854+0.831) × 98.00]/100 = 95.36 %

**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, 13C NMR, IR, TGA

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

#### Corporate Office