

Analysis Date: 01-01-2026

Re-test Date: 01-01-2029

## ACALABRUTINIB NITROSO IMPURITY 6

### Identification

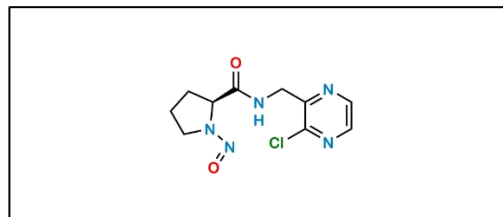
**Chemical Name** : (S)-N-((3-Chloropyrazin-2-yl)methyl)-1-nitrosopyrrolidine-2-carboxamide

**CAT No** : ALL-ACA-1336

**CAS No** : N.A.

**Molecular Formula** : C<sub>10</sub>H<sub>12</sub>ClN<sub>5</sub>O<sub>2</sub>

**Molecular Weight** : 269.7



### Analytical Information

<b>Batch No</b>	: ALL-ACA-1336	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.24 %
<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>	: 0.517 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 1.274 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.517 + 1.274) × 98.00]/100 = 96.24 %

**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