

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

## ALOGLIPTIN IMPURITY 30

### Identification

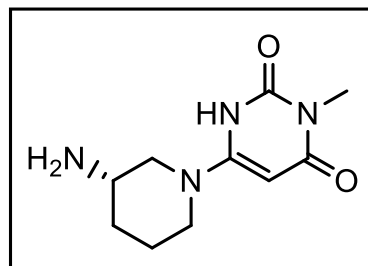
**Chemical Name** : (S)-6-(3-Aminopiperidin-1-yl)-3-methylpyrimidine-2,4(1H,3H)-dione

**CAT No** : ALL-ALO- 6915

**CAS No** : 2276316-91-5

**Molecular Formula** : C<sub>10</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub>

**Molecular Weight** : 224.3



### Analytical Information

<b>Batch Code</b>	: ALL-ALE- 6915	<b>HPLC Purity</b>	: 97.29 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 96.11 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 <sup>0</sup> C	<b>IR Analysis</b>	: Confirm
<b>Water Content By TGA</b>	: 1.128 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.084 %		

### Additional Information

%Potency = [100 - (Residue % + Water %) × Chromatographic Purity%]/100 =

[100 – (1.128+0.084) × 97.29]/100 = 96.11 %

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar 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