

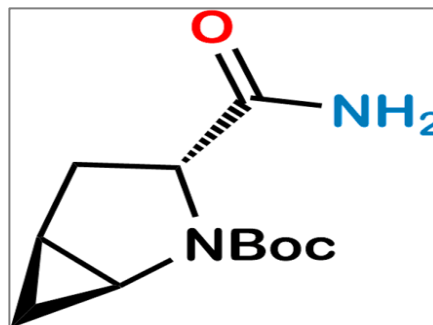
Analysis Date: 08-10-2025

Re-test Date: 08-10-2028

## SAXAGLIPTIN IMPURITY 28

### Identification

<b>Chemical Name</b>	: Tert-butyl (1S,3R,5S)-3-carbamoyl-2-azabicyclo[3.1.0]hexane-2-carboxylate; (1S,3R,5S)-3-(Aminocarbonyl)-2-Azabicyclo[3.1.0]hexane-2-carboxylic Acid 1,1-Dimethylethyl Ester
<b>CAT No</b>	: ALL-SAX-78
<b>CAS No</b>	: 1564266-79-0
<b>Molecular Formula</b>	: C <sub>11</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	: 226.3



### Analytical Information

<b>Batch No.</b>	: ALL-SAX-78	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.85%
<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>	: 0.516%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.648%		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.516 + 0.648) \times 98.00] / 100 = 96.85\%$$

**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