

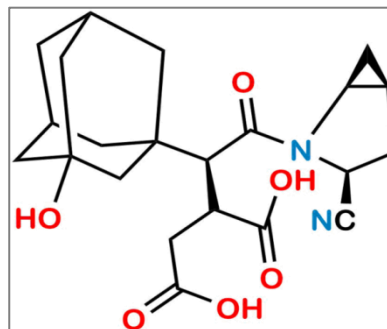
Analysis Date: 08-10-2025

Re-test Date: 08-10-2028

## SAXAGLIPTIN IMPURITY 34

### Identification

<b>Chemical Name</b>	: (R)-2-((S)-2-((1S,3S,5S)-3-cyano-2-azabicyclo[3.1.0]hexan-2-yl)-1-((1r,3R,5R,7S)-3-hydroxyadamantan-1-yl)-2-oxoethyl)succinic acid
<b>CAT No</b>	: ALL-SAX-83
<b>CAS No</b>	: N.A.
<b>Molecular Formula</b>	: C <sub>22</sub> H <sub>28</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	: 416.5



### Analytical Information

<b>Batch No</b>	: ALL-SAX-83	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 96.95%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.395%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.673%		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA } \% + \text{Residue Of Ignition } \%) \times \text{Chromatographic Purity}\%] / 100 = [100 - (0.395 + 0.673) \times 98.00] / 100 = 96.95\%$$

**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, TGA.

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

#### Corporate Office