

Analysis Date: 08-10-2025

Re-test Date: 08-10-2028

SAXAGLIPTIN IMPURITY 30

Identification

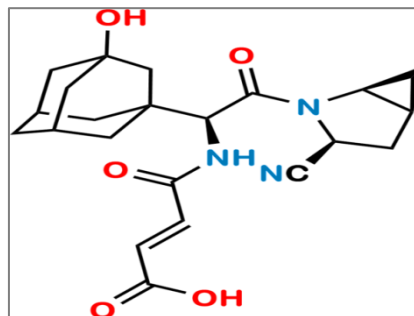
Chemical Name : (E)-4-(((1S)-2-(((1S,3S,5S)-3-Cyano-2-azabicyclo[3.1.0]hexan-2-yl)-1-((3R,5R,7S)-3-hydroxyadamantan-1-yl)-2-oxoethyl)amino)-4-oxobut-2-enoic acid

CAT No : ALL-SAX-80

CAS No : N.A.

Molecular Formula : C₂₂H₂₇N₃O₅

Molecular Weight : 413.5


Analytical Information

Batch No.	: ALL-SAX-80	HPLC Purity	: 98.00%
Solubility	: MeOH: ACN	Potency	: 96.03%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ^o C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.675 %	¹HNMR	: Confirm
Residue Of Ignition	: 1.334 %		

Additional Information

%Potency = [100 -(Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 – (0.675 + 1.334) × 98.00]/100= 96.03%

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