

Analysis Date: 08-10-2025

Re-test Date: 08-10-2028

SAXAGLIPTIN IMPURITY 47

Identification

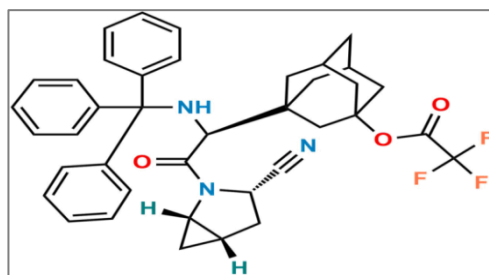
Chemical Name : (1R,3r,5R,7S)-3-((S)-2-((1S,3S,5S)-3-cyano-2-azabicyclo[3.1.0]hexan-2-yl)-2-oxo-1-(tritylamino)ethyl)adamantan-1-yl 2,2,2-trifluoroacetate

CAT No : ALL-SAX-90

CAS No : 2073808-64-5

Molecular Formula : C₃₉H₃₈F₃N₃O₃

Molecular Weight : 653.7


Analytical Information

Batch No.	: ALL-SAX-90	HPLC Purity	: 98.00%
Solubility	: MeOH: ACN	Potency	: 96.03%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.675 %	¹H NMR	: 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