

Analysis Date: 08-10-2025

Re-test Date: 08-10-2028

SAXAGLIPTIN IMPURITY 49

Identification

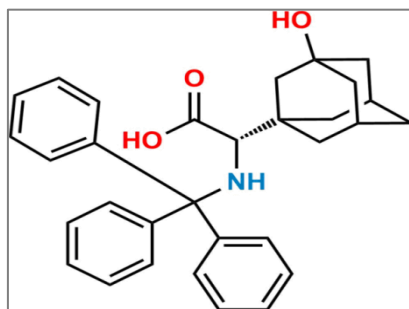
Chemical Name : (2S)-2-((1r,3S)-3-hydroxyadamantan-1-yl)-2-(tritylamino)acetic acid

CAT No : ALL-SAX-91

CAS No : 1669461-38-4

Molecular Formula : C₃₁H₃₃NO₃

Molecular Weight : 467.6



Analytical Information

Batch No.	: ALL-SAX-91	HPLC Purity	: 98.00%
Solubility	: MeOH: ACN	Potency	: 95.14%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 1.256 %	¹HNMR	: Confirm
Residue Of Ignition	: 1.658 %		

Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (1.256 + 1.658) \times 98.00] / 100 = 95.14\%$$

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