



CERTIFICATE OF ANALYSIS

Date: 15-02-2026

Product Name	(2R,2'S,Cis)-Deoxy-Saxagliptin		
Chemical Name	(1R,3R,5R)-2-((S)-2-((3S,5S,7S)-Adamantan-1-yl)-2-aminoacetyl)-2-azabicyclo[3.1.0]hexane-3-carbonitrile		
Structure	<p>The chemical structure shows a complex molecule. It features a central cyclohexane ring with a nitrogen atom at position 2. Attached to the nitrogen is a cyano group (C≡N). Attached to the same carbon as the cyano group is an amino group (NH2) with a wavy bond, indicating stereochemistry. Another carbon atom is bonded to this amino group and to a hydrogen atom. A carbonyl group (C=O) is also attached to this carbon. A wavy bond extends from the carbonyl group. The molecule is further substituted with a cyclopentane ring fused to the cyclohexane ring. This fused ring has a hydrogen atom at the 2-position and a wavy bond extending from it. The 3-position of the cyclopentane ring is bonded to a hydrogen atom. The 5-position of the cyclopentane ring is bonded to a hydrogen atom and to the 1-position of an adamantan-1-yl group. The adamantan-1-yl group has a hydrogen atom at the 2-position and a wavy bond extending from it. The 3-position of the adamantan-1-yl group is bonded to a hydrogen atom and to the 2-position of a 2-aminoacetyl group. The 5-position of the adamantan-1-yl group is bonded to a hydrogen atom and to the 1-position of a 2-azabicyclo[3.1.0]hexane-3-carbonitrile group. This final group has a hydrogen atom at the 2-position and a wavy bond extending from it. The 3-position of this group is bonded to a hydrogen atom and to the 1-position of the cyclopentane ring.</p>		
Batch No.	-	CAS No.	NA
Analysis Date	-	Retest Date	8
Mol. Formula	C ₁₈ H ₂₅ N ₃ O	Molecular Wt.	299.4
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
Signature			
Date			

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