



ISO 9001:2015 CERTIFIED CERTIFICATE OF ANALYSIS

Product Name	N-Nitroso Di-benzyl analogue standard (Bictegravir intermediate)		
Molecular Formula	C ₂₈ H ₂₂ F ₅ N ₅ O ₆	The chemical structure is a complex molecule. It features a bicyclic system on the left, consisting of a pyrazine ring fused to a pyridine ring, which is further fused to a benzene ring. This system is substituted with a hydroxyl group (OH) and a carbonyl group (C=O). A side chain extends from the pyrazine ring, containing a nitroso group (N=O) and a benzyl group. The benzyl group is further substituted with a trifluoromethyl group (CF₃). The entire molecule is shown in a 3D perspective, with atoms colored by element: carbon (grey), hydrogen (white), oxygen (red), nitrogen (blue), and fluorine (yellow).	
Molecular Weight	619.149		
Batch Number	XX-XXXX		
Batch Quantity	XXX		
Date of Manufacturing	DD-MM-YYYY		
Date of Analysis	DD-MM-YYYY		
Next Retest Date	DD-MM-YYYY		
Catalogue Number	XX		
CAS Number	NA		
COA Number	PA-XXXX		
IUPAC Name	(2R,5S,13aR)-N-(2,6-difluoro-4-(nitroso(2,4,6-trifluorobenzyl)amino)benzyl)-8-hydroxy-7,9-dioxo-2,3,4,5,7,9,13,13a-octahydro-2,5-methanopyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazepine-10-carboxamide		
Storage and Handling	2-8°C		

Sl. No	* Test	Result
	Description	
1.	Identification i) By IR ii) By NMR iii) By MS	--
2.	Chromatographic Purity (% by HPLC)	--

Remarks: *Test or tests as mentioned above may vary as per the product nature or customer's requirement

Function	Compiled by	Reviewed by	Reviewed by	Approved by
Name	xxx	xxx	xxx	xxx
Department	Pharma Standards QC	Pharma Standards QC	Quality Assurance	Quality Assurance
Sign and Date				

Attachments	IR, NMR, MS spectra, HPLC Chromatogram.
Date of Shipment	DD-MMM-YYYY