

Analysis Date: 04-10-2025

Re-test Date: 04-10-2025

SUMATRIPTAN NITROSO IMPURITY 1

Identification

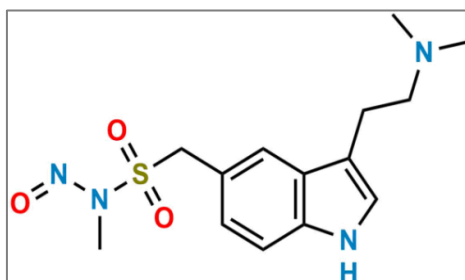
Chemical Name : 1-(3-(2-(Dimethylamino)ethyl)-1H-indol-5-yl)-N-methyl-N-nitrosomethanesulfonamide

CAT No : ALL-SUM-52

CAS No : N.A.

Molecular Formula : C₁₄H₂₀N₄O₃S

Molecular Weight : 324.4



Analytical Information

Batch No.	: ALL-SUM-52	HPLC Purity	: 98.00 %
Solubility	: MeOH: ACN	Potency	: 96.35 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 1.321 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.361 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (1.321 + 0.361) × 98.00]/100 = 96.35 %

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