

Analysis Date: 29-09-2025

Re-test Date: 29-09-2028

SUMATRIPTAN CYANOMETHYL IMPURITY

Identification

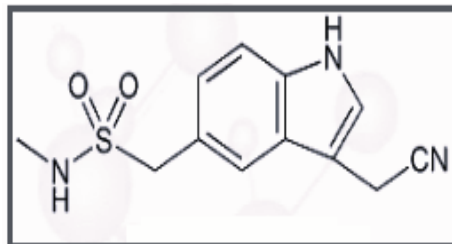
Chemical Name : 3-(Cyanomethyl)-N-methyl-1H-indole-5-methanesulfonamide

CAT No : ALL-SUM-5

CAS No : 88918-76-7

Molecular Formula : C₁₂H₁₃N₃O₂S

Molecular Weight : 263.32



Analytical Information

Batch Code	: ALL-SUM-5	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.55%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.266%	¹HNMR	: Confirm
Residue Of Ignition	: 0.187%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.266+0.187) × 98.00]/100 = 97.55%

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