

Analysis Date: 30-09-2025

Re-test Date: 30-09-2028

SUMATRIPTAN IMPURITY 14

Identification

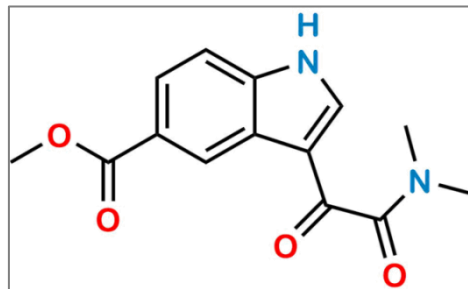
Chemical Name : Methyl 3-(2-(dimethylamino)-2-oxoacetyl)-1H-indole-5-carboxylate

CAT No : ALL-SUM-28

CAS No : 1052181-84-6

Molecular Formula : C₁₄H₁₄N₂O₄

Molecular Weight : 274.3



Analytical Information

Batch Code	: ALL-SUM-28	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.51%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.711%	¹H NMR	: Confirm
Residue Of Ignition	: 0.801%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.711+0.801) × 98.00 %]/100 = 96.51%

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