

Analysis Date: 30-09-2025

Re-test Date: 30-09-2028

## SUMATRIPTAN IMPURITY 4

### Identification

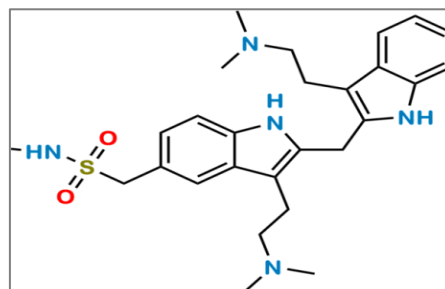
**Chemical Name** : 1-(3-(2-(Dimethylamino)ethyl)-2-((3-(2-(dimethylamino)ethyl)-1H-indol-2-yl)methyl)-1H-indol-5-yl)-N-methylmethanesulfonamide

**CAT No** : ALL-SUM-32

**CAS No** : N.A.

**Molecular Formula** : C<sub>27</sub>H<sub>37</sub>N<sub>5</sub>O<sub>2</sub>S

**Molecular Weight** : 495.7



### Analytical Information

<b>Batch Code</b>	: ALL-SUM-32	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 95.87%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.145%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 1.025%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.145+1.025) × 98.00]/100 = 95.87%

**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, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office