

Analysis Date: 29-09-2025

Re-test Date: 29-09-2028

## SUMATRIPTAN CARBOXYLIC ACID IMPURITY

### Identification

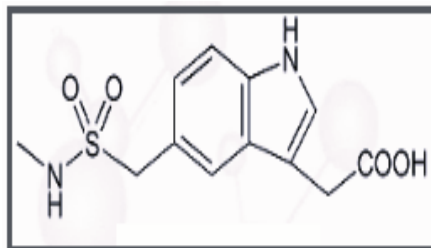
**Chemical Name** : 5-[[[(Methylamino)sulfonyl]methyl]-1H-indole-3-acetic acid

**CAT No** : ALL-SUM-4

**CAS No** : 103628-44-0

**Molecular Formula** : C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>S

**Molecular Weight** : 282.32



### Analytical Information

<b>Batch Code</b>	: ALL-SUM-4	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.51%
<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>	: 0.711%	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office