

Analysis Date: 01-10-2025

Re-test Date: 01-10-2028

## SUMATRIPTAN IMPURITY 6

### Identification

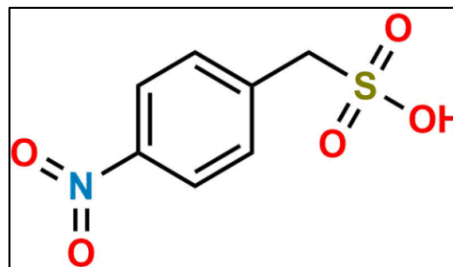
**Chemical Name** : (4-Nitrophenyl)methanesulfonic acid

**CAT No** : ALL-SUM-34

**CAS No** : 53992-33-9

**Molecular Formula** : C7H7NO5S

**Molecular Weight** : 217.2



### Analytical Information

<b>Batch No.</b>	: ALL-SUM-34	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.77%
<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>	: 1.045%	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.204%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.045+0.204) × 98.00]/100 = 96.77%

**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