

Analysis Date: 29-09-2025

Re-test Date: 29-09-2028

## SUMATRIPTAN DIMETHYLAMINO IMPURITY

### Identification

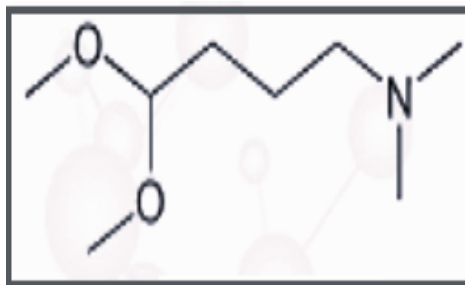
**Chemical Name** : 4-(N,N-Dimethylamino)butanal dimethyl acetal

**CAT No** : ALL-SUM-6

**CAS No** : 19718-92-4

**Molecular Formula** : C<sub>8</sub>H<sub>19</sub>NO<sub>2</sub>

**Molecular Weight** : 161.24



### Analytical Information

<b>Batch Code</b>	: ALL-SUM-6	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 95.12 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 0C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.368%	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 1.564 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.368+1.564) × 98.00]/100 = 95.12%

**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