

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS006001-01)

Release Date: 22/04/2024

Re-test Date: 21/04/2027

## Sumatriptan Nitroso Impurity

### Identification

**Chemical Name :**

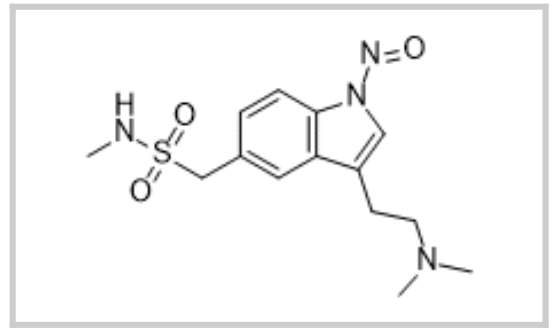
1-(3-(2-(dimethylamino)ethyl)-1-nitroso-1H-indol-5-yl)-N-methylmethanesulfonamide

**CAT No.** : KMS006001

**CAS No.** : Not Available

**Molecular Formula** : C<sub>14</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub>S

**Molecular Weight** : 324.40



### Analytical Information

**Batch No.** : SUM-N-NO-073-172

**Solubility** : ACN

**Description** : Yellow Solid

**Mass** : Confirm

**HPLC Purity** : 94.23 %

**IR** : Confirm

**Weight Loss By TGA** : 0.15 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 94.09 %

**<sup>13</sup>C NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 0.15(Weight Loss By TGA)] x [94.23(HPLC Purity)]/100 = 94.09 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		24/04/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		24/04/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA