

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS006010-01)

Release Date: 18/10/2024

Re-test Date: 17/10/2027

## Sumatriptan 3-Hydroxy-2-Oxo Impurity

### Identification

**Chemical Name :**

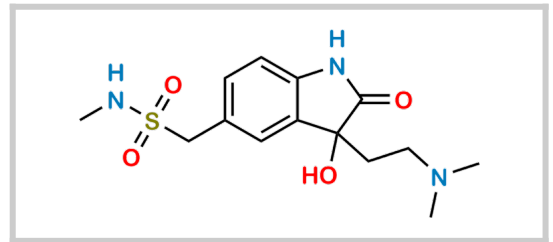
1-(3-(2-(Dimethylamino)ethyl)-3-hydroxy-2-oxindolin-5-yl)-N-methylmethanesulfonamide

CAT No. : KMS006010

CAS No. : 2250254-19-2

Molecular Formula : C<sub>14</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight : 327.4



### Analytical Information

Batch No. : S006010-073-417

Description : Brown Hygroscopic Solid

HPLC Purity : 97.55 %

Weight Loss By TGA : 1.78 %

% Potency : 95.81 %

Solubility : Water

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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 - 1.78(Weight Loss By TGA)] x [97.55(HPLC Purity)]/100 = 95.81 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/10/2024

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA