

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS002001-01)

Release Date: 27/03/2024

Re-test Date: 26/03/2027

## N-Nitroso N-Desmethyl Sildenafil

### Identification

**Chemical Name :**

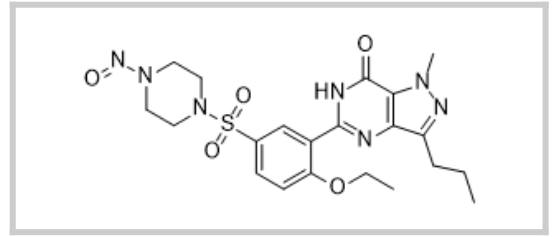
5-(2-ethoxy-5-((4-nitrosopiperazin-1-yl)sulfonyl)phenyl)-1-methyl-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-7(6H)-one

CAT No. : KMS002001

CAS No. : Not Available

Molecular Formula : C<sub>21</sub>H<sub>27</sub>N<sub>7</sub>O<sub>5</sub>S

Molecular Weight : 489.55



### Analytical Information

Batch No. : SIL-DM-N-NO-073-075

Description : Off White Solid

HPLC Purity : 99.94 %

Weight Loss By TGA : 0.07 %

% Potency : 99.87 %

Solubility : ACN

Mass : Confirm

IR : Confirm

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

<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 - 0.07(Weight Loss By TGA)] x [99.94(HPLC Purity)]/100 = 99.87 %

Recommendation : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 18/04/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 18/04/2024 |

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