

CERTIFICATE OF ANALYSIS

(Certificate No. KMS002044-01)

Release Date: 26/10/2023

Re-test Date: 25/10/2026

Sildenafil EP Impurity D

Identification

Chemical Name :

4-Ethoxy-3-(1-methyl-7-oxo-3-propyl-6,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonic acid (as per EP)

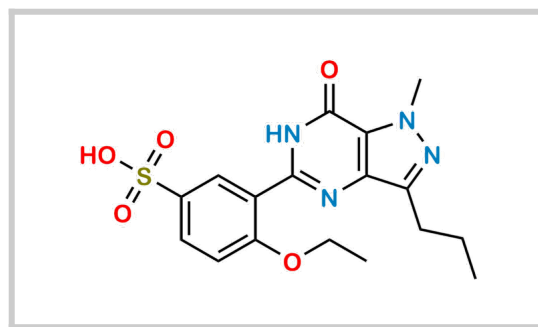
Alt. Name : Desmethylpiperazinyl Sildenafil Sulfonic Acid

CAT No. : KMS002044

CAS No. : 1357931-55-5

Molecular Formula : C₁₇H₂₀N₄O₅S

Molecular Weight : 392.4



Analytical Information

Batch No. : SIL-IMP-D-045-303

Solubility : Methanol

Description : White Soild

Mass : Confirm

HPLC Purity : 99.77 %

IR : Confirm

Weight Loss By TGA : 4.67 %

¹H NMR : Confirm

% Potency : 95.11 %

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 - 4.67(Weight Loss By TGA)] x [99.77(HPLC Purity)]/100 = 95.11 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/11/2025
Reviewed & Approved By	Quality Control	Jatin Patel		30/11/2025

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA