

CERTIFICATE OF ANALYSIS

(Certificate No. KMS002043-01)

Release Date: 23/09/2024

Re-test Date: 22/09/2027

Sildenafil EP Impurity C

Identification

Chemical Name :

5-[2-Hydroxy-5-(4-methylpiperazinylsulphonyl)phenyl]1-methyl-3-n-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one

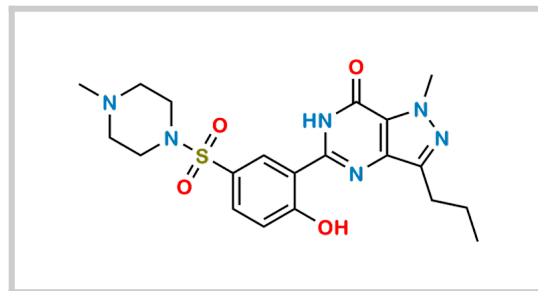
Alt. Name : O-Desethyl Sildenafil

CAT No. : KMS002043

CAS No. : 139755-91-2

Molecular Formula : C₂₀H₂₆N₆O₄S

Molecular Weight : 446.5



Analytical Information

Batch No. : S002043-073-386

Description : Off White Solid

HPLC Purity : 98.84 %

Weight Loss By TGA : 2.47 %

% Potency : 96.4 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

¹H 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 - 2.47(Weight Loss By TGA)] x [98.84(HPLC Purity)]/100 = 96.4 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		28/09/2024

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