CERTIFICATE OF ANALYSIS

(Certificate No. KMS002034-01)

Release Date: 18/06/2026 **Re-test Date:** 17/06/2029

Sildenafil Impurity A

Identification

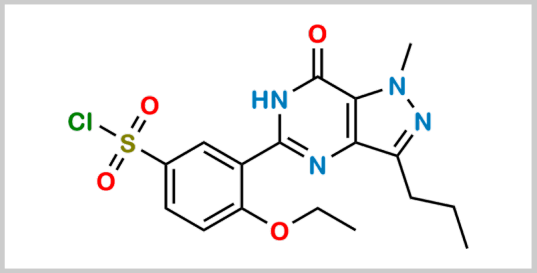
Chemical Name :
5-(5-Chlorosulfonyl-2-ethoxyphenyl)-1-methyl-3-propyl-1,6-dihydro-7H-pyrazole[4,3-d]pyrimidine-7-one

CAT No. : KMS002034

CAS No. : 139756-22-2

Molecular Formula : C17H19ClN4O4S

Molecular Weight : 410.9



Analytical Information

Batch No. : S002034-136-027

Description : White Solid

HPLC Purity : 97.92 %

Weight Loss By TGA : 0.46 %

% Potency : 97.47 %

Solubility : ACN : Water

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 - 0.46(Weight Loss By TGA)] x [97.92(HPLC Purity)]/100 = 97.47 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		18/06/2026

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