

CERTIFICATE OF ANALYSIS

(Certificate No. KMK007044-01)

Release Date: 18/12/2025

Re-test Date: 17/12/2028

N- NITROSO KETOCONAZOLE EP IMPURITY D

Identification

Chemical Name :

1-(4-((2-((1H-Imidazol-1-yl)methyl)-2-(2,4-dichlorophenyl)-1,3-dioxolan-4-yl)methoxy)phenyl)-4-nitrosopiperazine

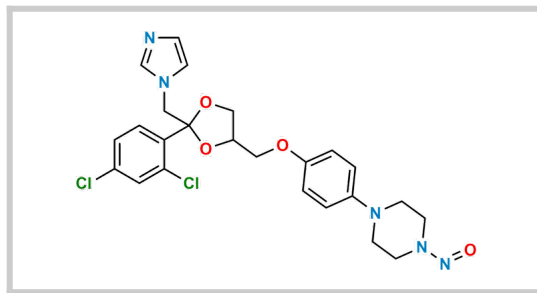
Alt. Name : N-Nitroso-N-Desacetyl Ketoconazole

CAT No. : KMK007044

CAS No. : NA

Molecular Formula : C₂₄H₂₅Cl₂N₅O₄

Molecular Weight : 518.4



Analytical Information

Batch No. : K007044-114-071

Description : Yellow Semi Solid

HPLC Purity : 95.23 %

Weight Loss By TGA : 3.67 %

% Potency : 91.74 %

Solubility : Acetonitrile

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 - 3.67(Weight Loss By TGA)] x [95.23(HPLC Purity)]/100 = 91.74 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		19/12/2025

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