

CERTIFICATE OF ANALYSIS

(Certificate No. KML009001-01)

Release Date: 28/11/2023

Re-test Date: 27/11/2026

Levofloxacin Related Compound A

Identification

Chemical Name :

(S)-9-fluoro-3-methyl-7-oxo-10-(piperazin-1-yl)-3,7-dihydro-2H-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxylic acid

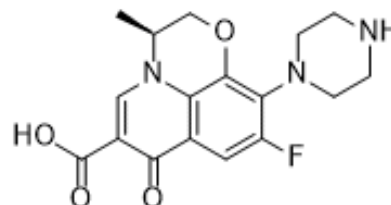
Alt. Name : Levofloxacin USP Related Compound A ; N-Desmethyl Levofloxacin

CAT No. : KML009001

CAS No. : 117707-40-1

Molecular Formula : C₁₇H₁₈FN₃O₄

Molecular Weight : 347.34



Analytical Information

Batch No. : OFL-EPE-045-334

Solubility : Methanol

Description : Light Yellow Solid

Mass : Confirm

HPLC Purity : 98.49 %

IR : Confirm

Weight Loss By TGA : 1.23 %

¹H NMR : Confirm

% Potency : 97.28 %

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 - 1.23(Weight Loss By TGA)] x [98.49(HPLC Purity)]/100 = 97.28 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		15/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		15/05/2024

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