

CERTIFICATE OF ANALYSIS

(Certificate No. KML009015-01)

Release Date: 26/07/2025

Re-test Date: 25/07/2028

Levofloxacin Hemihydrate USPRS

Identification

Chemical Name :

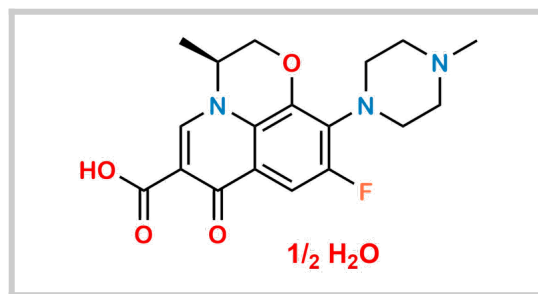
(3S)-9-Fluoro-3-methyl-10-(4-methylpiperazin-1-yl)-7-oxo-2,3-dihydro-7H-pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid hemihydrate

CAT No. : KML009015

CAS No. : 138199-71-0

Molecular Formula : C₁₈H₂₀FN₃O₄ : 1/2H₂O

Molecular Weight : 361.4 : 1/2(18.0)



Analytical Information

Batch No. : L009015-102-155

Description : Off White Solid

HPLC Purity : 99.78 %

Weight Loss By TGA : 2.24 %

% Potency : 97.54 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C 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 - 2.24(Weight Loss By TGA)] x [99.78(HPLC Purity)]/100 = 97.54 %

USP Catalog No & Lot No :- 1362103 - R07580

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		27/07/2025

Attachments : COA, HPLC, MASS, ¹HNMR, ¹³CNMR, IR and TGA