

CERTIFICATE OF ANALYSIS

(Certificate No. KMI006004-01)

Release Date: 17/11/2025

Re-test Date: 16/11/2028

IVACAF TOR ACID IMPURITY

Identification

Chemical Name :

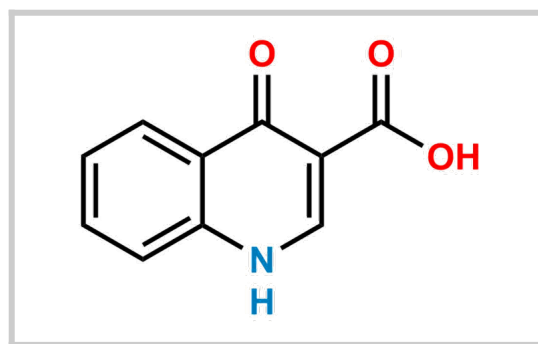
4-Oxo-1,4-dihydroquinoline-3-carboxylic acid

CAT No. : KMI006004

CAS No. : 13721-01-2

Molecular Formula : C₁₀H₇NO₃

Molecular Weight : 189.2



Analytical Information

Batch No. : IVAC-ACID-030-277

Description : Off White Solid

HPLC Purity : 98.30 %

Weight Loss By TGA : 0.49 %

% Potency : 97.82 %

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 - 0.49(Weight Loss By TGA)] x [98.30(HPLC Purity)]/100 = 97.82 %

-Re-tested on 17.11.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/11/2025
Reviewed & Approved By	Quality Control	Jatin Patel		19/11/2025

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