

CERTIFICATE OF ANALYSIS

(Certificate No. KMI006012-01)

Release Date: 17/11/2025

Re-test Date: 16/11/2028

IVACAF TOR ETHYL ESTER IMPURITY

Identification

Chemical Name :

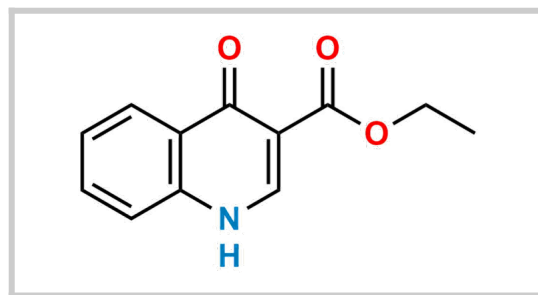
Ethyl 4-oxo-1,4-dihydroquinoline-3-carboxylate

CAT No. : KMI006012

CAS No. : 52980-28-6

Molecular Formula : C₁₂H₁₁NO₃

Molecular Weight : 217.2



Analytical Information

Batch No. : IVAC-EE-030-278

Description : Off White Solid

HPLC Purity : 93.71 %

Weight Loss By TGA : 0.60 %

% Potency : 93.15 %

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 - 0.60(Weight Loss By TGA)] x [93.71(HPLC Purity)]/100 = 93.15 %

-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