

CERTIFICATE OF ANALYSIS

(Certificate No. KME004020-02)

Release Date: 17/08/2026

Re-test Date: 16/08/2029

Escitalopram Impurity I

Identification

Chemical Name :

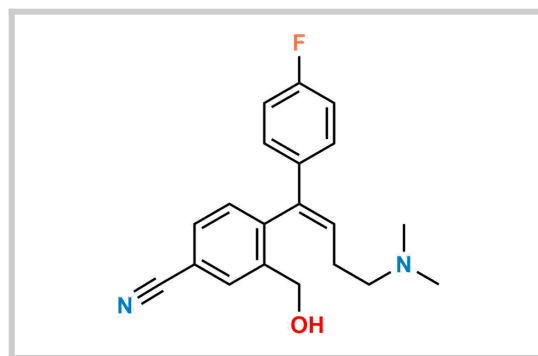
4-[(1Z)-4-(Dimethylamino)-1-(4-fluorophenyl)but-1-en-1-yl]-3-(hydroxymethyl)benzonitrile (Mixture of E/Z Isomer)

CAT No. : KME004020

CAS No. : 1370643-22-3

Molecular Formula : C₂₀H₂₁FN₂O

Molecular Weight : 324.4



Analytical Information

Batch No. : E004020-136-142

Description : Light Brown Thick Syrup

HPLC Purity : 96.25 %

Weight Loss By TGA : 2.69 %

% Potency : 93.66 %

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 - 2.69(Weight Loss By TGA)] x [96.25(HPLC Purity)]/100 = 93.66 %
-Mixture of isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/08/2026
Reviewed & Approved By	Quality Control	Jatin Patel		17/08/2026

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