CERTIFICATE OF ANALYSIS

(Certificate No. KMC010024-01)

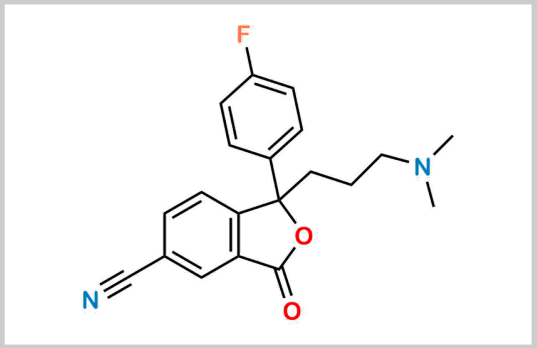
Release Date: 23/06/2026 **Re-test Date:** 22/06/2029

Escitalopram Ketone Impurity

Identification

Chemical Name :
(3RS)-6-Cyano-3-[3-(dimethylamino)propyl]-3-(4-fluorophenyl)isobenzofuran-1(3H)-one (as per EP) ; 3-(3-Dimethylaminopropyl)-3-(4-fluorophenyl)-6-cyano-1(3H)-isobenzofuranone (as per USP)

Alt. Name	: Citalopram USP Related Compound C
CAT No.	: KMC010024
CAS No.	: 372941-54-3
Molecular Formula	: C20H19FN2O2
Molecular Weight	: 338.4



Analytical Information

Batch No.	: C010024-136-053	**Solubility**	: Acetonitrile
Description	: Light Yellow Thick Syrup	**Mass**	: Confirm
HPLC Purity	: 98.99 %	**IR**	: Confirm
Weight Loss By TGA	: 0.87 %	**1H NMR**	: Confirm
% Potency	: 98.13 %		

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 - 0.87(Weight Loss By TGA)] x [98.99(HPLC Purity)]/100 = 98.13 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		23/06/2026

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