CERTIFICATE OF ANALYSIS

(Certificate No. KMF019052-01)

Release Date: 26/12/2024 **Re-test Date:** 25/12/2027

N-BUTOXY ISOMER-IMPURITY STANDARD

Identification

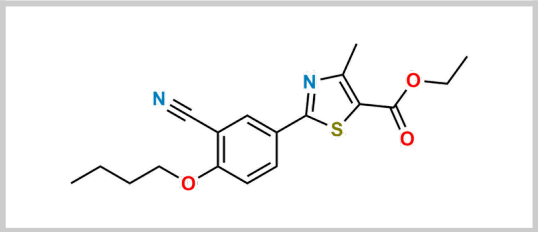
Chemical Name :
Ethyl 2-(4-butoxy-3-cyanophenyl)-4-methylthiazole-5-carboxylate

CAT No. : KMF019052

CAS No. : 2230270-05-8

Molecular Formula : C18H20N2O3S

Molecular Weight : 344.4



Analytical Information

Batch No.	: FEB-IMP-26-030-037	**Solubility**	: Methanol
Description	: White Solid	**Mass**	: Confirm
HPLC Purity	: 95.89 %	**IR**	: Confirm
Weight Loss By TGA	: 0.44 %	**1H NMR**	: Confirm
% Potency	: 95.47 %		

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 - 0.44(Weight Loss By TGA)] x [95.89(HPLC Purity)]/100 = 95.47 %
-Re-tested on 26.12.2024
-Solubility: Insoluble in Water and Soluble in 1mg/2.0 ml Methanol

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		26/12/2024

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