

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA027008-01)

Release Date: 22/05/2025

Re-test Date: 21/05/2028

## CTA-1 STANDARD

### Identification

**Chemical Name :**

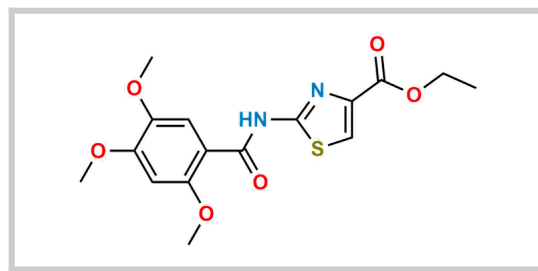
Ethyl 2-(2,4,5-trimethoxybenzamido)thiazole-4-carboxylate

CAT No. : KMA027008

CAS No. : 185105-98-0

Molecular Formula : C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub>S

Molecular Weight : 366.4



### Analytical Information

Batch No. : A027008-102-040

Description : Off White Solid

HPLC Purity : 99.03 %

Weight Loss By TGA : 0.57 %

% Potency : 98.47 %

Solubility : \*Refer in Additional information

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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 - 0.57(Weight Loss By TGA)] x [99.03(HPLC Purity)]/100 = 98.47 %

\*Solubility: Insoluble in Water and Methanol, Freely Soluble 5 mg/5 ml Acetonitrile

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		23/05/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA