CERTIFICATE OF ANALYSIS

(Certificate No. KMF005004-02)

Release Date: 17/07/2025 **Re-test Date:** 16/07/2028

Oxime Impurity of Febuxostat

Identification

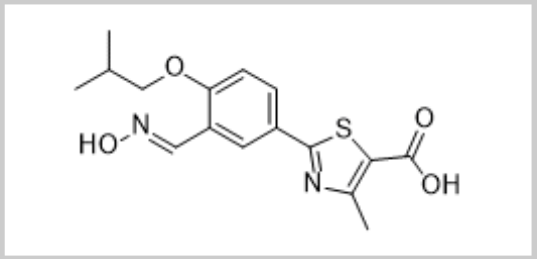
Chemical Name :
2-(3-((hydroxyimino)methyl)-4-isobutoxyphenyl)-4-methylthiazole-5-carboxylic acid

CAT No. : KMF005004

CAS No. : 1350352-70-3

Molecular Formula : C16H18N2O4S

Molecular Weight : 334.39



Analytical Information

Batch No. : F005004-102-131

Description : Off White Solid

HPLC Purity : 98.35 %

Weight Loss By TGA : 1.28 %

% Potency : 97.09 %

Solubility : *Refer in Additional information

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 - 1.28(Weight Loss By TGA)] x [98.35(HPLC Purity)]/100 = 97.09 %
*Solubility: Insoluble in Water and Freely Soluble in 5mg/2 ml methanol

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/07/2025

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