

# CERTIFICATE OF ANALYSIS

(Certificate No. KMF005004-01)

Release Date: 09/08/2024

Re-test Date: 08/08/2027

## Oxime Impurity of Febuxostat

### Identification

**Chemical Name :**

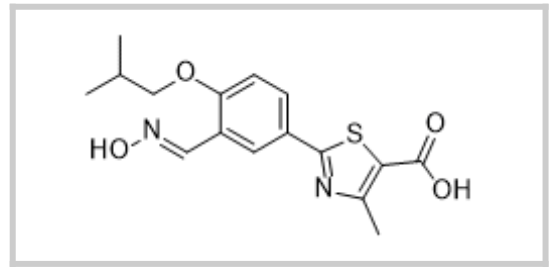
2-(3-((hydroxyimino)methyl)-4-isobutoxyphenyl)-4-methylthiazole-5-carboxylic acid

CAT No. : KMF005004

CAS No. : 1350352-70-3

Molecular Formula : C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>S

Molecular Weight : 334.39



### Analytical Information

Batch No. : FEB-IMP-7-019-036

Description : White Solid

HPLC Purity : 98.16 %

Weight Loss By TGA : 0.81 %

% Potency : 97.36 %

Solubility : Methanol

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 - 0.81(Weight Loss By TGA)] x [98.16(HPLC Purity)]/100 = 97.36 %

-Re-tested on 09.08.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		09/08/2024

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