

CERTIFICATE OF ANALYSIS

(Certificate No. KMF019017-01)

Release Date: 20/08/2025

Re-test Date: 19/08/2028

Febuxostat Impurity A

Identification

Chemical Name :

2-(3-Carbamoyl-4-isobutoxyphenyl)-4-methylthiazole-5-carboxylic acid ;

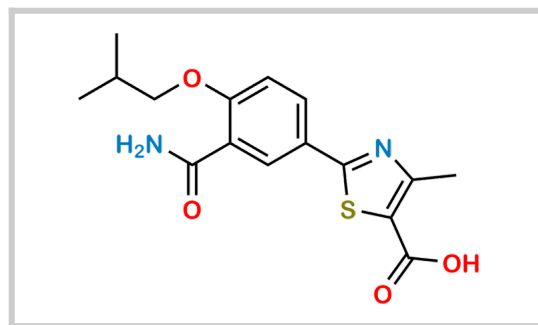
Alt. Name : Febuxostat Amide Impurity ;

CAT No. : KMF019017

CAS No. : 1239233-86-3

Molecular Formula : C₁₆H₁₈N₂O₄S

Molecular Weight : 334.4



Analytical Information

Batch No. : F019017-102-228

Description : White Solid

HPLC Purity : 99.90 %

Weight Loss By TGA : 1.13 %

% Potency : 98.77 %

Solubility : Water : Methanol (1:1)

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 - 1.13(Weight Loss By TGA)] x [99.90(HPLC Purity)]/100 = 98.77 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		21/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		21/08/2025

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