



CERTIFICATE OF ANALYSIS

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1. Identification

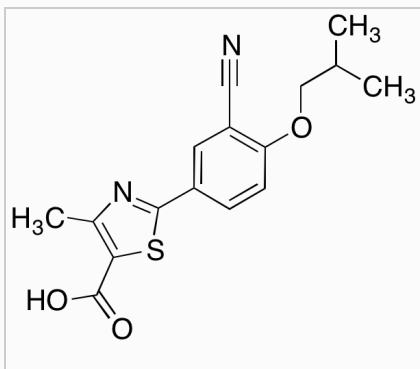
Catalogue Number: F229000

CAS Number: 144060-53-7

Product: Febuxostat

Synonym: 2-[3-Cyano-4-(2-methylpropoxy)phenyl]-4-methyl-5-thiazolecarboxylic Acid; 2-(3-Cyano-4-isobutyloxyphenyl)-4-methyl-5-thiazolecarboxylic Acid; TEI 6720; TMX 67;

Structure:



Molecular Formula:

C₁₆H₁₆N₂O₃S

Molecular weight:

316.37

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 5-PMK-31-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 59.66, %H: 5.11, %N: 8.70
HPLC Purity	Report Result	99.81% (320 nm)
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Hanxiang Li	Toni Rantanen	Chanell Chu	6/4/2021	6/2/2031

Hanxiang Li

Toni Rantanen

Chanell Chu