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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2025

Re-test Date: Oct 2028

**Product Name: Ethyl 2-(3-formyl-4-hydroxyphenyl)-4-methylthiazole-5-carboxylate**

### Identification:

Chemical Name: Ethyl 2-(3-formyl-4-hydroxyphenyl)-4-methylthiazole-5-carboxylate

Synonyms : Febuxostat Impurity 1

CAS Number : 161798-01-2

CAT Number : CP-F7018

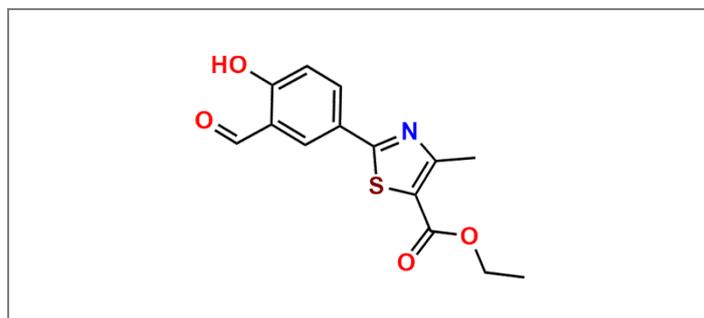
Molecular Formula : C<sub>14</sub>H<sub>13</sub>NO<sub>4</sub>S

Molecular Weight : 291.32

Batch Number : CHEM-FEB-1

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.77%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	-
8)	Potency by TGA	-



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.