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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

**Product Name: Quetiapine EP Impurity R**

### Identification:

Chemical Name: (E)-4-Ethoxy-4-oxobut-2-enoic acid

Synonyms : Fumaric Acid Monoethyl Ester

CAS Number : 2459-05-4

CAT Number : CP-Q1018

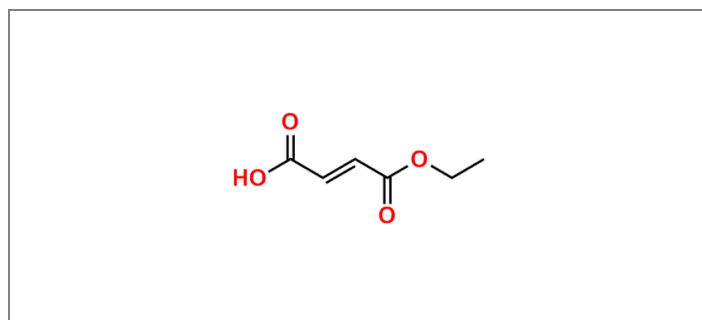
Molecular Formula : C<sub>6</sub>H<sub>8</sub>O<sub>4</sub>

Molecular Weight : 144.13

Batch Number : CHEM-QUE-R

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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.76%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	0.80%
8)	Potency by TGA	95.98%



### 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.