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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2026

Re-test Date: May 2029

**Product Name: Esomeprazole EP Impurity F**

### Identification:

Chemical Name: 8-Methoxy-1,3-dimethyl-12-thioxopyrido[1',2':3,4]imidazo[1,2-a]benzimidazol-2(12H)-one

Synonyms : NA

CAS Number : 125656-82-8

CAT Number : CP-E14006

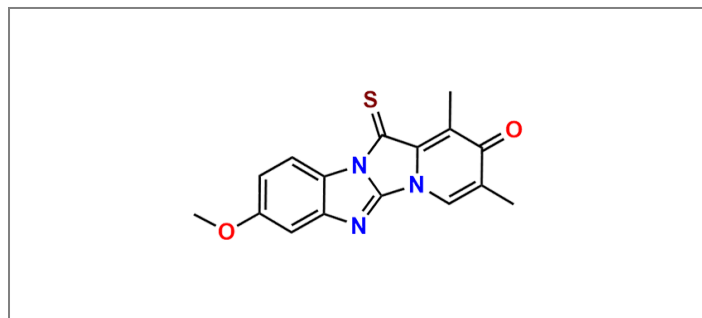
Molecular Formula : C<sub>16</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight : 311.4

Batch Number : CP-ESO-F-0626

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	Dark Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	>95%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	FT-IR	Confirm to Structure
8)	Weight loss by TGA	-
9)	Potency	-



### Prepared and Reviewed By

Mr. Shubham Bondre  
(Quality Control)

### Approved By

Mr. Abhijit Kale  
(Quality Assurance)

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