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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2026

Re-test Date: Mar 2029

**Product Name: Omeprazole EP Impurity A**

### Identification:

Chemical Name: 5-Methoxy-1H-benzimidazole-2-thiol (as per EP)

Synonyms : Omeprazole USP Related compound B ;  
Desmethoxyomeprazole

CAS Number : 37052-78-1

CAT Number : CP-O9001

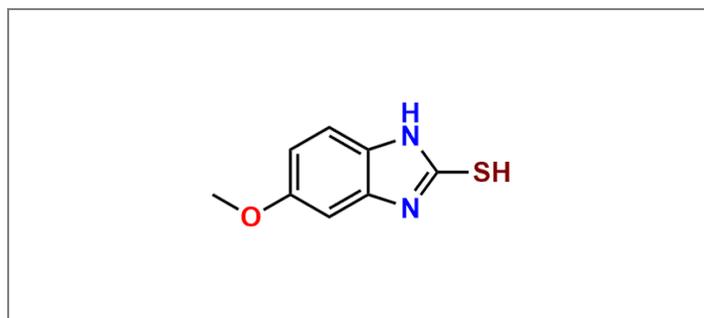
Molecular Formula : C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>S

Molecular Weight : 180.22

Batch Number : CP-OME-A-0623

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 to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	94.57%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.181 %
9)	Potency by TGA	94.40%



**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.