

Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,  
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank  
Navi Mumbai 410208, MH, INDIA. Email- [info@chemicea.com](mailto:info@chemicea.com) Mob- +91 9284897978

## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2024

Re-test Date: Aug 2027

**Product Name: Esomeprazole EP Impurity D**

### Identification:

Chemical Name: 5-Methoxy-2-[[[(4-methoxy-3,5-dimethylpyridin-2-yl)methyl]sulfonyl]-1H-benzimidazole

Synonyms : Omeprazole EP Impurity D ;  
Omeprazole USP Related  
Compound A ; Omeprazole  
Sulfone

CAS Number : 88546-55-8

CAT Number : CP-E14004

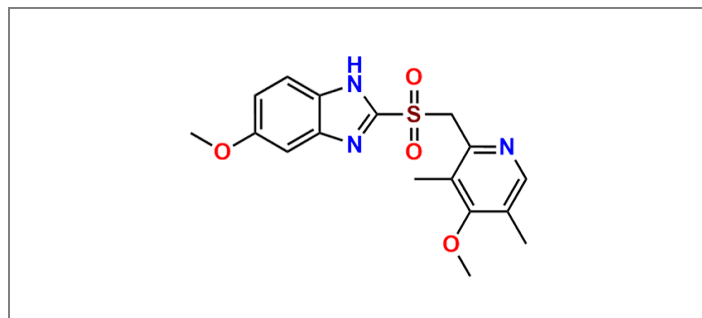
Molecular Formula : C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight : 361.42

Batch Number : CP-OME-D-0924

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	98.99%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	0.688%
7)	Potency by TGA	98.31%



**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.