

## Certificate of Analysis

**Catalogue Number**

KL-02-01830

**Lot Number**

KLA100170

**Product Name**

Omeprazole EP Impurity C

**Synonyms**

Omeprazole Sulfide; 2-[[[(3,5-Dimethyl-4-methoxy-2-pyridyl)methyl]thio]-5-methoxybenzimidazole

**CAS Number**

73590-85-9

**Molecular Formula**
 $C_{17}H_{19}N_3O_2S$ 
**Molecular Weight**

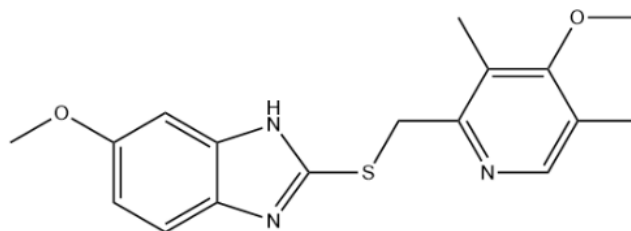
329.42 g/mol

**Mfg. Date**

01-09-2025

**Re-Test Date**

31-08-2028

**Structure**

**Shipping Condition**

All Product are stable to be shipped at room temperature, unless otherwise specified.

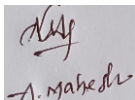
**Long Term Storage Conditions**

2°C ~ 8°C Protected from light and Sealed

**Analytical Information**

Test	Specifications	Results
Appearance	White Solid	White Solid
Solubility	Soluble in DMSO, Methanol	Conforms
Purity by HPLC	Not less than 90.00%	99.91%
Identification by $^1\text{H}$ NMR	Conforms to structure	Complies
Identification by Mass	Conforms Molecular Weight	Complies
Identification by IR	Conform functional groups	Complies
Weight Content By TGA	Not specified	0.153%
Residue of Ignition By TGA	Not specified	23.541%
Potency	Not specified	76.24%

Prepared by



Reviewed &amp; Approved by



Note: Use for research &amp; analytical purpose only. Not for human consumption

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