



LKT Laboratories, Inc.

Omeprazole Impurity C

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Product Information

Product ID O486179

CAS No. 73590-85-9

Chemical Name 6-methoxy-2-[(4-methoxy-3,5-dimethylpyridin-2-yl)methylsulfanyl]-1H-benzimidazole

Synonym Omeprazole EP Impurity C; Omeprazole sulfide; Esomeprazole EP Impurity C; Ufiprazole; Omeprazole sulfide; 73590-85-hoxy-2-[[[(4-methoxy-3,5; Esomeprazole EP Impurity C

Formula

Formula Wt. 329.42

Melting Point

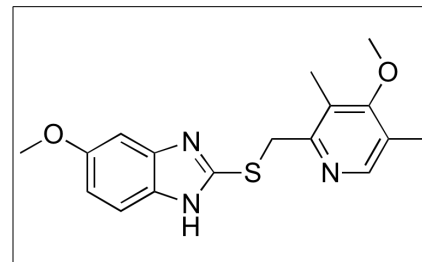
Purity ≥99%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description Omeprazole is a proton pump inhibitor (PPI) that acts as an antagonist at H⁺/K⁺ ATPases and is clinically used to treat gastroesophageal reflux disease (GERD), dyspepsia, and peptic ulcer disease. Omeprazole Impurity C is an impurity that may be formed during the synthesis or degradation of omeprazole.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
O486179	25 mg	\$64.50
O486179	100 mg	\$178.90
O486179	250 mg	\$321.90

References Tonazzi A, Eberini I, Indiveri C. Molecular mechanism of inhibition of the mitochondrial carnitine/acylcarnitine transporter by omeprazole revealed by proteoliposome assay, mutagenesis and bioinformatics. PLoS One. 2013 Dec 9;8(12):e82286. PMID: 24349247.

Ward RM, Kearns GL. Proton pump inhibitors in pediatrics : mechanism of action, pharmacokinetics, pharmacogenetics, and pharmacodynamics. Paediatr Drugs. 2013 Apr;15(2):119-31. PMID: 23512128.

Mefford IN, Mefford JT, Burris CA. Improved diabetes control and pancreatic function in a type 2 diabetic after omeprazole administration. Case Rep Endocrinol. 2012;2012:468609. PMID: 22937295.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.