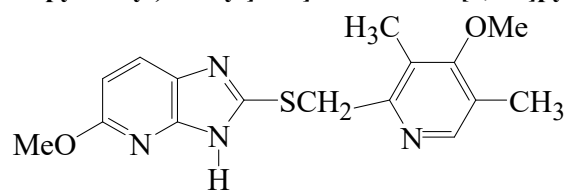




>>Entry Name: 5-Methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]thio]-1*H*-imidazo[4,5-*b*]pyridine



CAS Registry Number: 113713-24-9

Molecular Formula: C₁₆H₁₈N₄O₂S

Molecular Weight: 330.41

Accurate Mass: 330.115046

Percentage Composition: C 58.16%; H 5.49%; N 16.96%; O 9.68%; S 9.70%

>>Derivative: S-Oxide, (±)

Synonym(s): Tenatoprazole, INN. TU 199

CAS Registry Number: 113712-98-4

Molecular Formula: C₁₆H₁₈N₄O₃S

Molecular Weight: 346.409

Accurate Mass: 346.109961

Percentage Composition: C 55.48%; H 5.24%; N 16.17%; O 13.86%; S 9.26%

Biological Use/Importance: Proton pump inhibitor. Antiulcer agent

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 174-175°

References:

Eur. Pat., 1988, *Tokyo Tanabe*, 254 588; *CA*, **108**, 150480u, (*TU 199, synth, pharmacol*)