

Product Name : Esomeprazole agnesium trihydrate

Synonyms : S)-Omeprazole magnesium trihydrate

Cat No. : M13468

CAS Number : 217087-09-7

Molecular Formula : C₃₄H₄₂MgN₆O₉S₂

Formula Weight : 767.17

Chemical Name : Magnesium, bis[6-methoxy-2-[(S)-[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl-κO]-1H-benzimidazolato-κN3]-, hydrate (1:3), (T-4)-

Description : A proton pump inhibitor that reduces stomach acid secretion by inhibition of the H⁺/K⁺-ATPase in the parietal cells; the (S)-(-)-enantiomer of omeprazole for treatment of dyspepsia, peptic ulcer disease, and gastroesophageal reflux disease. Ulcer Approved

Pathway : Membrane Transporter/Ion Channel

Target : Proton Pump

Receptor : Proton Pump

Solubility : 10 mM in DMSO

SMILES : [H]O[H].[H]O[H].[H]O[H].O=S(CC1=NC=C(C)C(OC)=C1C)C2=NC(C=CC(OC)=C3)=C3[N-]2.O=S(CC4=NC=C(C)C(OC)=C4C)C5=NC(C=CC(OC)=C6)=C6[N-]5.[Mg+2]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

