

Esomeprazole (Magnesium trihydrate)

Catalog No: tcsc1024



Available Sizes

Size: 50mg

Size: 100mg

Size: 200mg

Size: 500mg



Specifications

CAS No:

217087-09-7

Formula:

$C_{34}H_{42}MgN_6O_9S_2$

Pathway:

Membrane Transporter/Ion Channel;Autophagy

Target:

Proton Pump;Autophagy

Purity / Grade:

>98%

Solubility:

DMSO : 50 mg/mL (65.17 mM; Need ultrasonic)

Alternative Names:

(S)-Omeprazole magnesium trihydrate

Observed Molecular Weight:

767.17

Product Description

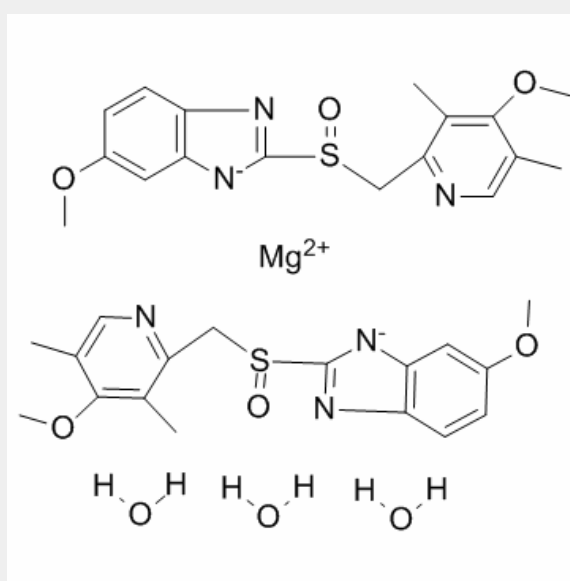
Esomeprazole Magnesium trihydrate is a proton pump inhibitor which reduces acid secretion through inhibition of the H⁺ / K⁺ ATPase in gastric parietal cells.

IC₅₀ value:

Target: proton pump

Esomeprazole sodium (Nexium) is the S-isomer of omeprazole and acts as a proton pump inhibitor and gastric antisecretory agent indicated for the short-term treatment of gastroesophageal reflux disease in patients with a history of erosive esophagitis.

Esomeprazole 0.4 and 0.8 mg/mL as the sodium salt in the infusion solutions tested is chemically and physically stable for at least 2 days at room temperature and 5 days under refrigeration.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!