

Product Data Sheet

Product Name: Esomeprazole potassium salt ((S)-Omeprazole potassium)

Cat. No.: GC33575

Chemical Properties

Cas. No. 161796-84-5

SMILES O=[S@](C1=NC2=CC=C(OC)C=C2[N-]1)CC3=NC=C(C)C(OC)=C3C.[K+]

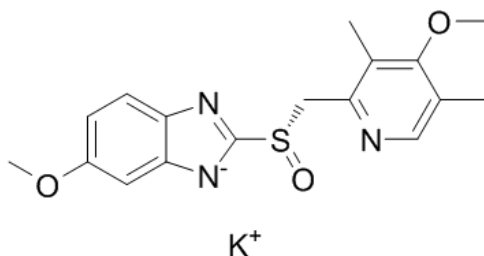
Formula $C_{17}H_{18}KN_3O_3S$ M.Wt 383.51

Solubility DMSO : 38.35 mg/mL (100.00 mM; Storage Store at -20°C
Need ultrasonic and warming)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Esomeprazole potassium salt is a proton pump inhibitor which reduces acid secretion through inhibition of the H^+ / K^+ ATPase in gastric parietal cells. IC50 value: Target: proton

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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pumpEsomeprazole potassium salt is 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.

[1]. Thomas C Kupiec, Vasileios Aloumanis, Michel Ben, et al. Physical and Chemical Stability of Esomeprazole Sodium Solutions. Ann Pharmacother. September 2008 ,42 (9):1247-1251. [2]. Esomeprazole [3]. Sandstrom M, et al. Phase I, multicenter, randomized, open-label study evaluating the pharmacokinetics and safety profile of repeated once-daily doses of intravenous esomeprazole in children 0 to 17 years of age. Clin Ther. 2012 Aug;34(8):1828-38. [4]. Johnson TJ, Hedge DD. Esomeprazole: a clinical review. Am J Health Syst Pharm. 2002 Jul 15;59(14):1333-9.

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