

Rabeprazole (sodium)

Catalog No: tcsc2889



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

117976-90-6

Formula:

$C_{18}H_{21}N_3NaO_3S+$

Pathway:

Membrane Transporter/Ion Channel

Target:

Proton Pump

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 48 mg/mL (125.85 mM)

Alternative Names:

LY307640 sodium

Observed Molecular Weight:

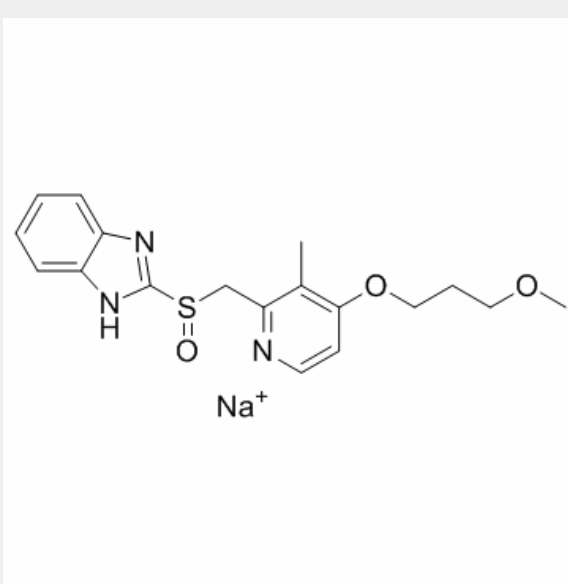
382.43

Product Description

Rabeprazole sodium(LY307640 sodium) is an antiulcer drug in the class of proton pump inhibitors.

Target: Proton Pump

Rabeprazole belongs to a class of antisecretory compounds (substituted benzimidazole proton-pump inhibitors) that do not exhibit anticholinergic or histamine H₂-receptor antagonist properties, but suppress gastric acid secretion by inhibiting the gastric H⁺/K⁺ATPase (hydrogen-potassium adenosine triphosphatase) at the secretory surface of the gastric parietal cell. Because this enzyme is regarded as the acid (proton) pump within the parietal cell, rabeprazole has been characterized as a gastric proton-pump inhibitor. Rabeprazole blocks the final step of gastric acid secretion. In gastric parietal cells, rabeprazole is protonated, accumulates, and is transformed to an active sulfenamide. When studied in vitro, rabeprazole is chemically activated at pH 1.2 with a half-life of 78 seconds.



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