Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Rabeprazole

Catalog No: tcsc2888

Available Sizes

Size: 10mg

Size: 50mg

Specifications

CAS No:
117976-89-3

Formula:
$C_{18}H_{21}N_3O_3S$

Pathway:
Membrane Transporter/Ion Channel

Target:
Proton Pump

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
LY307640

Observed Molecular Weight:
359.44

Product Description

Rabeprazole is an antiulcer drug in the class of proton pump inhibitors.

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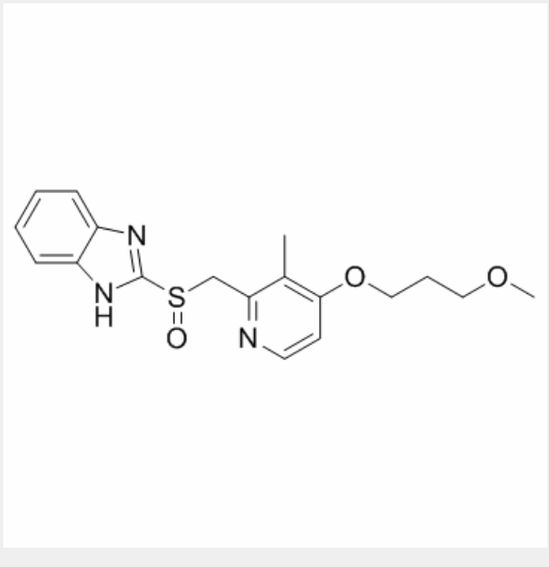
Target: Proton Pump

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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