

Pumaprazole

Catalog No: tcsc0014963



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

158364-59-1

Formula:

$C_{19}H_{22}N_4O_2$

Pathway:

Membrane Transporter/Ion Channel

Target:

Proton Pump

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

BY-841

Observed Molecular Weight:

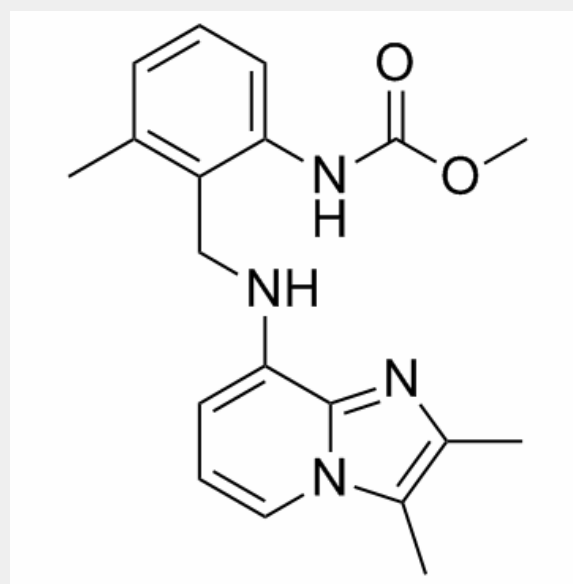
338.4

Product Description

Pumaprazole is a reversible **proton pump** antagonist.

IC₅₀ & Target: proton pump^[1]

In Vivo: Pumaprazole is a reversible proton pump antagonist. Basal acid secretion in the Ghosh-Schild rat is inhibited by Pumaprazole with a higher efficacy compare to ranitidine. Pumaprazole displays identical ID₅₀ values on day 1 (11 µmol/kg, 95% confidence limits of 5 and 23) and on day 7 (10 µmol/kg, 95% confidence limits of 4 and 23) of a repeated dose study in this model. The lower dose of Pumaprazole (27 µmol/kg) rapidly elevates luminal pH up to almost neutrality, the higher dose (54 µmol/kg) further prolongs this pH-elevating effect^[1].



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