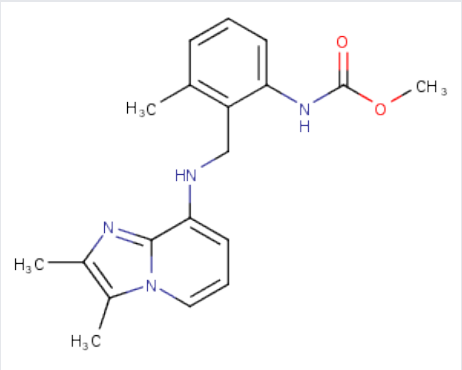
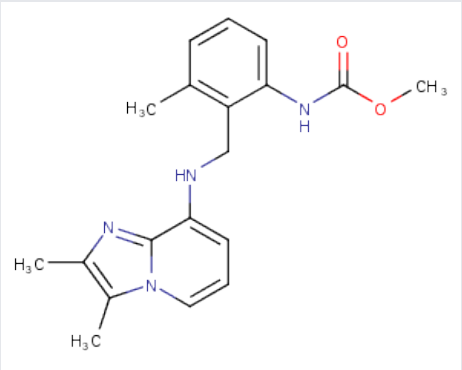
Pumaprazole Inhibitor

PRODUCT OVERVIEW

Product Name	Pumaprazole, Inhibitor
Full Product Name	Pumaprazole
Product Synonym Names	BY-841
Purity/Purification	98%
Preparation and Storage	Powder: -2 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	338.411
SMILES	COC(=O)Nc1cccc(C)c1CNc1cccn2c(C)c(C)nc12
Formula	C19H22N4O2
CAS Number	158364-59-1
Target	Proton pump
Solubility	DMSO: 55mg/mL (162.53 mM), Need ultrasonic (<1mg/mL refers to the product slightly soluble or insoluble)
In_vitro	Pumaprazole shows identical ID50 values on day 1 (11uMol/kg, 95% confidence limits of 5 and 23), and on day 7 (10uMol/kg, 95% confidence limits of 4 and 23) of a repeated dose study in this model. Basal acid secretion in the Ghosh-Schild rat is inhibited by Pumaprazole with a higher efficacy compared to ranitidine. The lower dose of Pumaprazole (27uMol/kg) rapidly elevates Luminal pH up to almost neutrality, the higher dose (54uMol/kg) further prolongs this pH-elevating effect[1].
Product Categories/Family for Pumaprazole, inhibitor	Membrane transporter/Ion channel
Related Product Information for Pumaprazole, inhibitor	MBS5769893 is an inhibitor targeting Pumaprazole. Pumaprazole is an antagonist of a reversible proton pump.
Product References and Citations for Pumaprazole, inhibitor	1 Krome W e al Anima pharmacolog o reversibl antagonis o th gastri aci pump compare t standar antisecretor principles Pharmacology 200 May 0(4):179-87.
Other Notes	Small volumes of Pumaprazole, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Structure of Pumaprazole, inhibitor
Pumaprazole, CAS 158364-59-1



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Pumaprazole, CAS 158364-59-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/inhibitor/pumaprazole/5769893