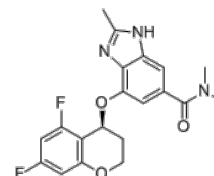


Product Name : Tegoprazan
Cat. No. : PC-60811
CAS No. : 942195-55-3
Molecular Formula : C₂₀H₁₉F₂N₃O₃
Molecular Weight : 387.387
Target : Proton Pump
Solubility :



Biological Activity

Tegoprazan (CJ 12420, RQ-00000004, RQ-4) is a novel potent, highly selective, competitive and orally active inhibitor of **gastric H⁺/K⁺-ATPase** with IC₅₀ of ranging 0.29-0.52 uM porcine, canine and human H⁺/K⁺-ATPases in vitro; displays no activity against canine kidney Na⁺/K⁺-ATPase (IC₅₀>100 uM); potently inhibits histamine-induced gastric acid secretion in dogs and a complete inhibition at 1.0 mg/kg starting from 1 hr after administration, reverses the pentagastrin-induced acidified gastric pH to the neutral range at 1-3 mg/kg, immediately evoks a gastric phase III contraction of migrating motor complex (MMC) in pentagastrin-treated dogs.

Ulcer

Phase 3 Clinical

References

Takahashi N, et al. *J Pharmacol Exp Ther.* 2017 Nov 27. pii: jpet.117.244202.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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