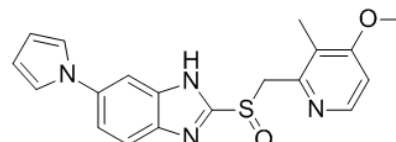


Product Name : Ilaprazole
Cat. No. : PC-42413
CAS No. : 172152-36-2
Molecular Formula : C₁₉H₁₈N₄O₂S
Molecular Weight : 366.43682
Target : Proton Pump
Solubility : DMSO: ≥ 35 mg/mL



Biological Activity

Ilaprazole (IY-81149) is a potent, orally active **proton pump** inhibitor that irreversibly inhibits **H⁺/K⁺)-ATPase** with IC₅₀ of 6 μM.

Ilaprazole dose-dependently increases gastric pH in anesthetized rats, exhibits superior potency against gastric acid secretion compared with omeprazole.

References

Kim EJ, et al. Arzneimittelforschung. 2001 Jan;51(1):51-9.

Kwon D, et al. Arzneimittelforschung. 2001;51(3):204-13.

Seo KA, et al. Xenobiotica. 2012 Mar;42(3):278-84.

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

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