BIOLOGICAL ACTIVITY:

AZD0865 inhibits gastric H⁺,K⁺-ATPase by K⁺-competitive binding. (IC₅₀: 1.0 ± 0.2 μM)

It is a acid-suppressing agents with rapid onset of action and potent acid inhibition.

In vitro: AZD0865 can inhibit the final step in acid secretion. AZD0865 reduced porcine renal Na⁺,K⁺-ATPase activity by 9 ± 2%, demonstrating a high selectivity for H⁺,K⁺-ATPase.

In vivo: The reference for animal administration is 0.5-1.0 mg/kg. The greater degree of acid suppression with the 75-mg dose of AZD0865 would translate to a healing rate of 89% at 4 weeks.

References:
