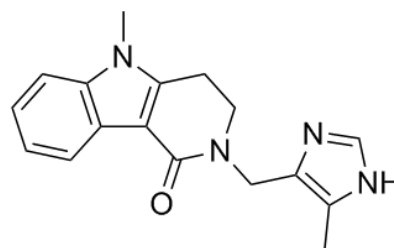


Product Name : Alosetron
Cat. No. : PC-45944
CAS No. : 122852-42-0
Molecular Formula : C₁₇H₁₈N₄O
Molecular Weight : 294.351
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

Alosetron (GR-68755) is a potent and selective **5-HT₃** receptor antagonist has been shown to be beneficial in the treatment of irritable bowel syndrome.

Alosetron blocks the fast 5HT₃-mediated depolarisation of guinea-pig myenteric and submucosal neurons, with IC₅₀ of ~55 nM.

Alosetron attenuates the visceral nociceptive effect of rectal distension in conscious or anaesthetised dogs. Anti-inflammatory effects.

References

Audolfsson G, et al. Aliment Pharmacol Ther. 1999 May;13 Suppl 2:39-47.

Zhai J, et al. J Pharmacol Exp Ther. 1999 Oct;291(1):374-82.

Saslow SB, et al. Gut. 1998 May;42(5):628-34.

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

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