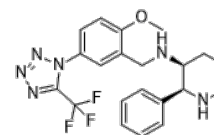


Product Name : Vofopitant
Cat. No. : PC-23397
CAS No. : 168266-90-8
Molecular Formula : C₂₁H₂₃F₃N₆O
Molecular Weight : 432.45
Target : Neurokinin Receptor
Solubility : 10 mM in DMSO



CAS: 168266-90-8

Biological Activity

Vofopitant (GR205171) is a potent, selective and orally available **tachykinin neurokinin 1 receptor (NK1R)** antagonist, inhibits [3H]SP binding to the NK1 receptor with pK_i values of 9.5 and 10.6 in rat and human membranes respectively. Vofopitant prevents vagal stimulation-induced retching but not neuronal transmission from emetic vagal afferents to solitary nucleus neurons in dogs.

Vofopitant exhibits an acute response to cisplatin but does not vomit during the delayed phase.

References

- Gardner CJ, et al. *Regul Pept.* 1996 Aug 27;65(1):45-53.
 Gobert A, et al. *Neuropsychopharmacology.* 2009 Mar;34(4):1039-56.
 Heldt SA, et al. *Behav Pharmacol.* 2009 Oct;20(7):584-95.
 Malik NM, et al. *Eur J Pharmacol.* 2007 Jan 26;555(2-3):164-73.

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

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