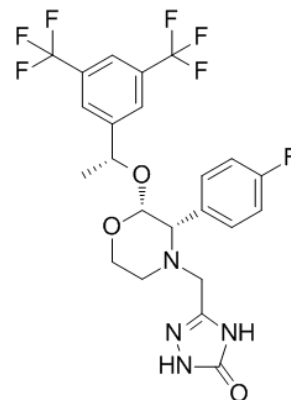


Product Name : Aprepitant
Cat. No. : PC-42185
CAS No. : 170729-80-3
Molecular Formula : C₂₃H₂₁F₇N₄O₃
Molecular Weight : 534.4266
Target : Neurokinin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Aprepitant (MK-0869) is a potent, orally active, long-acting human **NK-1 receptor** (substance P receptor) antagonist with IC₅₀ of 0.09 nM.

Aprepitant (MK-0869) blocks NK-1 agonist-induced foot tapping response in gerbils and shows antiemetic actions in the ferret against cisplatin challenge.

Aprepitant (MK-0869) has the potentiation for the treatment of peripheral pain, migraine, chemotherapy-induced emesis, and various psychiatric disorders.

References

Kramer MS, et al. *Science*. 1998 Sep 11;281(5383):1640-5.

Hale JJ, et al. *J Med Chem*. 1998 Nov 5;41(23):4607-14.

Tattersall FD, et al. *Neuropharmacology*. 2000 Feb 14;39(4):652-63.

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

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