

## Product Datasheet

# Casopitant mesylate

Catalog No. **BP-00091A** · CAS **414910-30-8** · Form **salt · mesylate** · Physical state **solid** · Color **white to off-white** · Version **1.0** · Revision **2026-10-08**

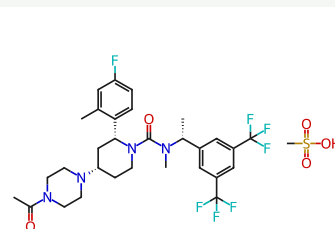
**FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.**

|                                                       |                                                      |
|-------------------------------------------------------|------------------------------------------------------|
| Target<br><b>Neurokinin Receptor; Cytochrome P450</b> | Research area<br><b>Neurological Disease; Cancer</b> |
|-------------------------------------------------------|------------------------------------------------------|

Molecular formula **C<sub>31</sub>H<sub>39</sub>F<sub>7</sub>N<sub>4</sub>O<sub>5</sub>S**

Molecular weight **712.7190**

### STRUCTURE



## DESCRIPTION

Casopitant mesylate (GW679769B) is a potent, selective, brain permeable and orally active neurokinin 1 (NK1) receptor antagonist.

## BIOLOGICAL ACTIVITY

Casopitant mesylate (GW679769B) is a potent, selective, brain permeable and orally active neurokinin 1 (NK1) receptor antagonist. Casopitant mesylate is a second in the class of antiemetics that acts to antagonise the emetogenic effect of substance P. Casopitant mesylate is also a substrate and a weak-to-moderate inhibitor of CYP3A4. Casopitant mesylate can be used for chemotherapy-induced nausea and vomiting (CINV) and postoperative nausea and vomiting (PONV).

## SOLUBILITY

Soluble in DMSO

**In vitro** DMSO : 33.33 mg/mL

## REFERENCES

- [1]. Ruhlmann C, et al. Casopitant: a novel NK(1)-receptor antagonist in the prevention of chemotherapy-induced nausea and vomiting. Ther Clin Risk Manag. 2009 Apr;5(2):375-84.
- [2]. Minthorn E, et al. Pharmacokinetics and brain penetration of casopitant, a potent and selective neurokinin-1 receptor antagonist, in the ferret. Drug Metab Dispos. 2008 Sep;36(9):1846-52.