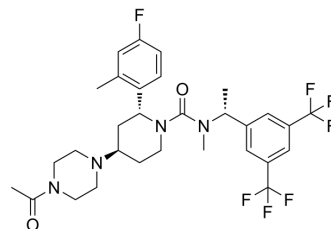


(R)-Casopitant

Cat. No.:	HY-14405B	
CAS No.:	414910-26-2	
Molecular Formula:	C ₃₀ H ₃₅ F ₇ N ₄ O ₂	
Molecular Weight:	616.61	
Target:	Neurokinin Receptor	
Pathway:	GPCR/G Protein; Neuronal Signaling	
Storage:	Powder	-20°C 3 years
		4°C 2 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (81.09 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6218 mL	8.1089 mL	16.2177 mL
	5 mM	0.3244 mL	1.6218 mL	3.2435 mL
	10 mM	0.1622 mL	0.8109 mL	1.6218 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(R)-Casopitant ((R)-GW679769) is the isomer of [Casopitant](#) (HY-14405). Casopitant is a NK(1)-receptor antagonist. Casopitant can be used for the research of chemotherapy-induced nausea and vomiting^{[1][2]}.

REFERENCES

[1]. Di Fabio, Romano, et al. Discovery and Biological Characterization of (2R,4S)-1'-Acetyl-N-((1R)-1-[3,5-bis(trifluoromethyl)phenyl]ethyl)-2-(4-fluoro-2-methylphenyl)-N-methyl-4,4'-bipiperidine-1-carboxamide as a New Potent and Selective Neurokinin 1 (NK1) Receptor Antagonist Clinical Candidate. *Journal of Medicinal Chemistry* (2011), 54(4), 1071-1079.

[2]. Christina Ruhlmann, 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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