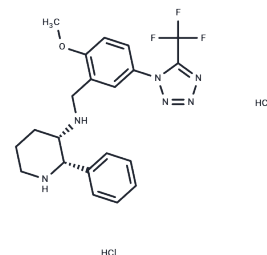


Vofopitant dihydrochloride

Chemical Properties

CAS No. :	168266-51-1
Formula:	C ₂₁ H ₂₅ Cl ₂ F ₃ N ₆ O
Molecular Weight:	505.36
Appearance:	no data available
Storage:	store under nitrogen
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Vofopitant dihydrochloride (GR 205171A) is an orally available, selective tachykinin NK1 receptor antagonist that inhibits [³ H]SP binding to NK1 with pK _i values of 9.5 and 10.6, respectively. Vofopitant dihydrochloride is a potential compound for the treatment of pathological vomiting. Vofopitant dihydrochloride is a potential compound for the treatment of pathological vomiting.
Targets(IC ₅₀)	Neurokinin receptor

Solubility Information

Solubility	H ₂ O: 20 mg/mL (39.58 mM), Sonication is recommended. DMSO: 20 mg/mL (39.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9788 mL	9.8939 mL	19.7879 mL
5 mM	0.3958 mL	1.9788 mL	3.9576 mL
10 mM	0.1979 mL	0.9894 mL	1.9788 mL
50 mM	0.0396 mL	0.1979 mL	0.3958 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Gardner CJ, et al. GR205171: a novel antagonist with high affinity for the tachykinin NK1 receptor, and potent broad-spectrum anti-emetic activity. Regul Pept. 1996 Aug 27;65(1):45-53.

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