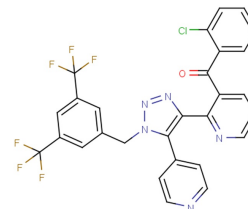


Tradipitant

Chemical Properties

CAS No.:	622370-35-8
Formula:	C ₂₈ H ₁₆ ClF ₆ N ₅ O
Molecular Weight:	587.9
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Tradipitant is an antagonist of neurokinin-1.
Targets(IC ₅₀)	NK-1: None
In vitro	Tradipitant binds to sections of guinea pig brain with a distribution similar to that previously reported for NK-1 receptors. Areas with the highest density are the accessory olfactory nucleus, anteroventral thalamic nucleus, paraventricular hypothalamic nucleus central amygdaloid nucleus (lateral), and the medial amygdaloid nucleus [1].
In vivo	Tradipitant (intravenously administered) treatment localizes in the guinea pig brain and has a distribution similar to that described for the NK-1 receptor using agonist or antagonist radioligands [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.701 mL	8.505 mL	17.01 mL
5 mM	0.34 mL	1.701 mL	3.402 mL
10 mM	0.17 mL	0.85 mL	1.701 mL
50 mM	0.034 mL	0.17 mL	0.34 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Gackenhaimer SL, et al. In vitro and ex vivo autoradiography of the NK-1 antagonist [3H]-LY686017 in Guinea pig brain. *Neuropeptides*. 2011 Apr;45(2):157-64.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481