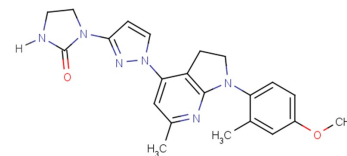


Emicerfont

Chemical Properties

CAS No.:	786701-13-1
Formula:	C ₂₂ H ₂₄ N ₆ O ₂
Molecular Weight:	404.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Emicerfont is an antagonist of the corticotropin-releasing factor type 1 receptor (IC ₅₀ : 66 nM).
Targets(IC ₅₀)	CRF1 receptor: 66 nM
In vivo	Emicerfont (10 mg/kg) treatment, decreases i.c.v. CRF-induced gerbil forepaw treading and marmoset defensive postures. Emicerfont (30 mg/kg) treatment, also reduces rat pup ultrasonic vocalization.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.472 mL	12.362 mL	24.724 mL
5 mM	0.494 mL	2.472 mL	4.945 mL
10 mM	0.247 mL	1.236 mL	2.472 mL
50 mM	0.049 mL	0.247 mL	0.494 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. Zorrilla EP, et al. Behavioral, biological, and chemical perspectives on targeting CRF(1) receptor antagonists to treat alcoholism. Drug Alcohol Depend. 2013 Mar 1;128(3):175-86.

Inhibitors · Natural Compounds · Compound Libraries

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