Emicerfont

Cat. No.: HY-14367

CAS No.: 786701-13-1

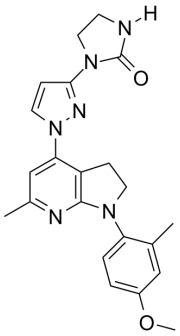
Molecular Formula: $C_{22}H_{24}N_6O_2$

Molecular Weight: 404.46

Target: CRFR

Pathway: GPCR/G Protein

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DCM : ≥ 16.67 mg/mL (41.22 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.4724 mL	12.3622 mL	24.7243 mL
5 mM	0.4945 mL	2.4724 mL	4.9449 mL
10 mM	0.2472 mL	1.2362 mL	2.4724 mL

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

BIOLOGICAL ACTIVITY

Description

Emicerfont is a corticotropin-releasing factor type 1 (CRF_1) receptor antagonist with an IC_{50} of 66 nM.

IC_{50} & Target

IC50: 66 nM (CRF_1 receptor)[1]

In Vitro

Emicerfont is a corticotropin-releasing factor type 1 (CRF_1) receptor antagonist with an IC_{50} of 66 nM[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

At concentration of 10 mg/kg, Emicerfont reduces i.c.v. CRF-induced gerbil forepaw treading and marmoset defensive postures. Emicerfont also reduces rat pup ultrasonic vocalization at concentration of 30 mg/kg[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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.

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