
Product Data Sheet

Product Name: Emicerfont (GW876008)

Cat. No.: GC31166

Chemical Properties

Cas. No. 786701-13-1

SMILES CC1=CC(OC)=CC=C1N(CC2)C3=C2C(N4C=CC(N5CCN([H])C5=O)=N4)=CC(C)=N3Formula $C_{22}H_{24}N_6O_2$ M.Wt 404.46

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Emicerfont is a corticotropin-releasing factor type 1 (CRF1) receptor antagonist with an IC₅₀ of 66 nM.

Emicerfont is a corticotropin-releasing factor type 1 (CRF1) receptor antagonist with an IC₅₀ of 66 nM[1].

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].

[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.

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

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