NBI-27914

Cat. No.: HY-135542

CAS No.: 184241-44-9

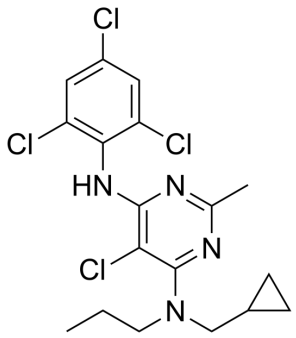
Molecular Formula: $C_{18}H_{20}Cl_4N_4$

Molecular Weight: 434.19

Target: CRFR

Pathway: GPCR/G Protein

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (230.31 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3031 mL	11.5157 mL	23.0314 mL
	5 mM	0.4606 mL	2.3031 mL	4.6063 mL
	10 mM	0.2303 mL	1.1516 mL	2.3031 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 1 mg/mL (2.30 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 1 mg/mL (2.30 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

NBI-27914 is a potent and selective antagonist of CRFR1. The CRF receptors, CRFR1 and CRFR2, are members of the G protein-coupled receptor superfamily[1].

REFERENCES

[1]. Liaw CW, et al. Localization of agonist- and antagonist-binding domains of human corticotropin-releasing factor receptors. Mol Endocrinol. 1997;11(13):2048-2053.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA