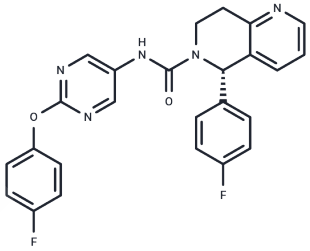
Data Sheet (Cat.No.T10476)

TargetMol

BAY-899

Chemical Properties



CAS No. : 2471967-92-5

Formula: C25H19F2N5O2

Molecular Weight: 459.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	BAY-899 is an orally active and selective antagonist of the luteinizing hormone receptor (LH-R), with IC50 values of 185 nM for human LH (hLH) and 46 nM for rat LH (rLH). In vivo studies have shown that BAY-899 effectively reduces sex hormone levels[1].
Targets(IC50)	Others,GNRH Receptor
In vivo	BAY-899, administered orally at a dosage of 12.5 mg/kg/day for 8 days, effectively reduces serum estradiol levels in intact female rats. In both female and male Wistar rats, BAY-899 demonstrates a half-life (t 1/2) of 11 hours when given intravenously (iv) at 0.5 mg/kg and 12 hours when administered orally (po) at 2 mg/kg. Additionally, the maximum concentration (Cmax) achieved is 0.97 kg/L for the intravenous route and 0.24 kg/L for the oral route.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1765 mL	10.8826 mL	21.7652 mL
5 mM	0.4353 mL	2.1765 mL	4.353 mL
10 mM	0.2177 mL	1.0883 mL	2.1765 mL
50 mM	0.0435 mL	0.2177 mL	0.4353 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wortmann L, et al. Discovery of BAY-298 and BAY-899: Tetrahydro-1,6-naphthyridine-Based, Potent and Selective Antagonists of the Luteinizing Hormone Receptor Which Reduce Sex Hormone Levels In Vivo. J Med Chem. 2019 Oct 31.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481