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## Product Data Sheet

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Product Name: BAY-298  
Cat. No.: GC62861

### Chemical Properties

Cas. No. 2471978-97-7

Formula  $C_{27}H_{21}ClFN_3O_2$  M.Wt 473.93

Solubility DMSO : 100 mg/mL (211.00 mM; Need ultrasonic) Storage

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

BAY-298 is an orally active and selective luteinizing hormone receptor (LH-R) antagonist with IC50s of 96 nM, 23 nM and 78 nM for hLH (human LH) and rLH (rat LH) and cLH (cynomolgus monkey LH), respectively. BAY-298 can reduce sex hormone levels[1].

BAY-298 (oral; 4.5-72 mg/kg/day; for 8 days) dosedependently loweres serum estradiol levels in proestrus[1]. BAY-298 (iv of 0.5 mg/kg or po of 2 mg/kg) has t1/2s of 31 hours and 33 hours for iv and po. And the Cmaxs are 0.28 kg/L and 0.066 kg/L for iv and po[1].

[1]. 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.

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

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