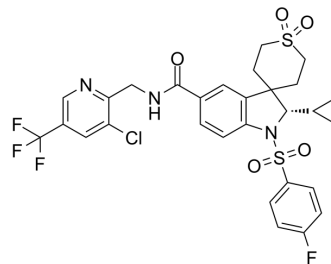


## BAY-784

Cat. No.:	HY-133080
CAS No.:	1631164-24-3
Molecular Formula:	C <sub>29</sub> H <sub>26</sub> ClF <sub>4</sub> N <sub>3</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	672.11
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	BAY-784 is a gonadotropin releasing hormone receptor (GnRH-R) antagonist probe with IC <sub>50</sub> s of 21 and 24 nM for human and rat GnRH-R, respectively <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 21 nM (human GnRH-R), 24 nM (rat GnRH-R) <sup>[1]</sup>								
<b>In Vivo</b>	<p>BAY-784 (0.5, 3, 10, and 30 mg/kg; 24 hours; single p.o.) suppresses the plasma luteinizing hormone (LH) concentration in ovariectomized (OVX) rats in a dose-dependent manner<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>OVX rats<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>0.5, 3, 10, and 30 mg/kg (Pharmacokinetic Analysis)</td> </tr> <tr> <td>Administration:</td> <td>Single p.o.</td> </tr> <tr> <td>Result:</td> <td>ED<sub>50</sub>=4.5 mg/kg (4/8 h). The t<sub>1/2</sub>=13-17 h, 18 h, and 7 h for male Wistar rat, female beagle, and female cynomolgus, respectively.</td> </tr> </table>	Animal Model:	OVX rats <sup>[1]</sup>	Dosage:	0.5, 3, 10, and 30 mg/kg (Pharmacokinetic Analysis)	Administration:	Single p.o.	Result:	ED <sub>50</sub> =4.5 mg/kg (4/8 h). The t <sub>1/2</sub> =13-17 h, 18 h, and 7 h for male Wistar rat, female beagle, and female cynomolgus, respectively.
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## REFERENCES

[1]. GnRH-R Antagonist Probe BAY-784.

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

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