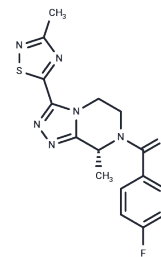


Fezolinetant

Chemical Properties

CAS No. :	1629229-37-3
Formula:	C ₁₆ H ₁₅ FN ₆ O ₅
Molecular Weight:	358.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Fezolinetant (ESN-364) is an antagonist of the neurokinin 3 receptor (NK3R). It is used for the treatment of menopausal hot flashes.
Targets(IC50)	Neurokinin receptor
In vivo	ESN364 inhibits the pulse pattern of LH in all treated animals. ESN364 (10, 25, 50 mg/kg, orally) also block the LH surge and decreases ovarian hormone levels throughout the menstrual cycle in monkeys. ESN364 (5 mg/kg, p.o.) lowers plasma LH, but not FSH, in the castrated monkey. Fezolinetant (1 mg/kg, iv bolus) reversibly inhibits the regular, pulsatile secretion of LH in the ovariectomized ewe [1].

Solubility Information

Solubility	DMSO: 10 mg/mL (27.9 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7903 mL	13.9513 mL	27.9026 mL
5 mM	0.5581 mL	2.7903 mL	5.5805 mL
10 mM	0.279 mL	1.3951 mL	2.7903 mL
50 mM	0.0558 mL	0.279 mL	0.5581 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.

Reference

Xu W, Li G, Chen Y, et al. A novel antidiuretic hormone governs tumour-induced renal dysfunction. Nature. 2023: 1-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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