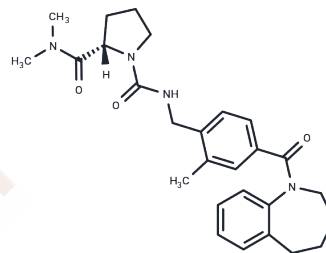


Fedovapagon

Chemical Properties

CAS No. :	347887-36-9
Formula:	C ₂₇ H ₃₄ N ₄ O ₃
Molecular Weight:	462.58
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	Fedovapagon (VA106483) is a selective and potent agonist of the vasopressin V2 receptor (V2R) that inhibits the growth of intersegmental vessels in zebrafish. It can be used to study overactive bladder, nocturia, and painful bladder syndromes.
Targets(IC50)	Vasopressin Receptor
In vivo	In rats, oral administration of fedovapagon at a dose of 1 mg/kg results in an 81% inhibition rate of urine output[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (108.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.32 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1618 mL	10.8089 mL	21.6179 mL
5 mM	0.4324 mL	2.1618 mL	4.3236 mL
10 mM	0.2162 mL	1.0809 mL	2.1618 mL
50 mM	0.0432 mL	0.2162 mL	0.4324 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

Yea CM, et al. New benzylureas as a novel series of potent, nonpeptidic vasopressin V2 receptor agonists. J Med Chem. 2008 Dec 25;51(24):8124-34.

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