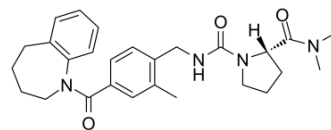


Fedovapagon

Cat. No.:	HY-14887
CAS No.:	347887-36-9
Molecular Formula:	C ₂₇ H ₃₄ N ₄ O ₃
Molecular Weight:	462.58
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (270.22 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (4.50 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (4.50 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.50 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fedovapagon is a selective vasopressin V2 receptor (V2R) agonist with an EC₅₀ of 24 nM, which is being developed for the treatment of nocturia^[1].

IC₅₀ & Target

EC₅₀ 24 nM (V2R)^[1]

REFERENCES

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

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