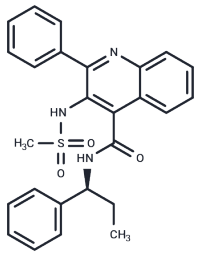
Data Sheet (Cat.No.T16114)

TargetMol

Pavinetant

Chemical Properties



CAS No. : 941690-55-7

Formula: C26H25N3O3S

Molecular Weight: 459.56

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	Pavinetant (MLE-4901) is an orally available neurokinin-3 receptor (NK3R) antagonist used to improve menopausal symptoms.
Targets(IC50)	Neurokinin receptor
In vitro	Pavinetant (AZD2624) is an effective NK3 receptor antagonist with potent inhibitory activity on microsomal CYP3A4/5[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (174.08 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: 2.5 mg/mL (5.44 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.176 mL	10.880 mL	21.7599 mL
5 mM	0.4352 mL	2.176 mL	4.352 mL
10 mM	0.2176 mL	1.088 mL	2.176 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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

Li Y, et al. In vitro assessment of metabolic drug-drug interaction potential of AZD2624, neurokinin-3 receptor antagonist, through cytochrome P(450) enzyme identification, inhibition, and induction studies. Xenobiotica. 2010 Nov;40(11):721-9.