

Camizestrant

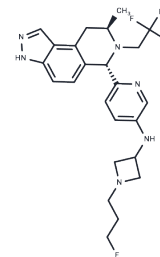
Chemical Properties

CAS No. : 2222844-89-3

Formula: C₂₄H₂₈F₄N₆

Molecular Weight: 476.51

Storage: Store at low temperature, Keep away from direct sunlight
 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	Camizestrant (Estrogen receptor antagonist 2) is an antagonist of the estrogen receptor and can be used in studies about ER+ HER2-advanced breast cancer[1].
Targets(IC50)	Estrogen Receptor/ERR
In vivo	In human parental MCF7 mice xenograft, oral administration of Camizestrant (0.2-50 mg/kg) displays dose-dependent anti-tumor effects. Oral administration of Camizestrant (0.8-40 mg/kg) dose-dependently decreases the growth of the tumor[1].

Solubility Information

Solubility	DMSO: 60 mg/mL (125.92 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: 6 mg/mL (12.59 mM), Solution. 10% DMSO+90% Saline: < 6 mg/mL (12.59 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.0986 mL	10.493 mL	20.9859 mL
5 mM	0.4197 mL	2.0986 mL	4.1972 mL
10 mM	0.2099 mL	1.0493 mL	2.0986 mL
50 mM	0.042 mL	0.2099 mL	0.4197 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

Bernard Christophe Barlaam, etal. Chemical compounds. Patent US20180111931.

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