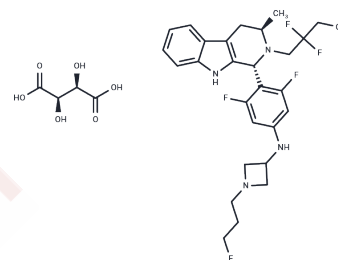


Giredestrant tartrate

Chemical Properties

CAS No. :	2407529-33-1
Formula:	C ₃₁ H ₃₇ F ₅ N ₄ O ₇
Molecular Weight:	672.64
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	Giredestrant tartrate (Estrogen receptor antagonist 1) is a novel, orally active, selective and effective non-steroidal estrogen receptor antagonist. Giredestrant tartrate strongly binds to ER, resulting in the failure of ER to activate the transcription of targeted genes and promoting the degradation of ER protein. Giredestrant tartrate can be used to treat tumor diseases.
Targets(IC50)	Estrogen Receptor/ERR
In vitro	Estrogen receptor antagonist 1 shows weak metabolism dependent inhibition of CYP2C9. Estrogen receptor antagonist 1 directly inhibits CYP3A4 with IC50 values of 6.5 μM (midazolam 1'-hydroxylation) and 26 μM (testosterone 6β-hydroxylation); IC50 for CYP2B6 and CYP2C8 inhibition were 13 μM and 21 μM, respectively.

Solubility Information

Solubility	DMSO: 55 mg/mL (81.77 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	1.4867 mL	7.4334 mL	14.8668 mL
5 mM	0.2973 mL	1.4867 mL	2.9734 mL
10 mM	0.1487 mL	0.7433 mL	1.4867 mL
50 mM	0.0297 mL	0.1487 mL	0.2973 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

Liang J, Zbieg JR, Blake RA, et al. GDC-9545 (Giredestrant): A Potent and Orally Bioavailable Selective Estrogen Receptor Antagonist and Degradar with an Exceptional Preclinical Profile for ER+ Breast Cancer. J Med Chem. 2021; 64(16):11841-11856.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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