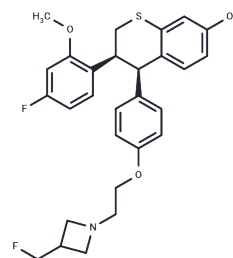


ER degrader 10

Chemical Properties

CAS No. :	3035311-43-1
Formula:	C ₂₈ H ₂₉ F ₂ N ₃ O ₃ S
Molecular Weight:	497.597
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	ER degrader 10 (Compound 51) is an orally active estrogen receptor (ER) selective degrader and antagonist, with a DC ₅₀ of 0.43 nM and an IC ₅₀ of 0.56 nM. It inhibits the proliferation of ER-positive cells, with an IC ₅₀ ranging from 0 to 15 nM. ER degrader 10 exhibits weak inhibitory activity on the hERG channel, with an IC ₅₀ greater than 40 μM. It has blood-brain barrier permeability, with a brain/plasma ratio (K _p) of 3.05. In mouse models, ER degrader 10 demonstrates antitumor activity.
Targets(IC ₅₀)	Estrogen Receptor/ERR,Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0096 mL	10.0482 mL	20.0965 mL
5 mM	0.4019 mL	2.0096 mL	4.0193 mL
10 mM	0.201 mL	1.0048 mL	2.0096 mL
50 mM	0.0402 mL	0.201 mL	0.4019 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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