

(Rac)-Vepdegestrant

Chemical Properties

CAS No. : 2229711-08-2

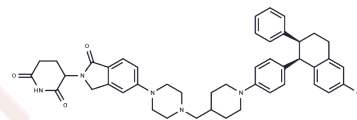
Formula: C45H49N5O4

Molecular Weight: 723.90

Keep away from direct sunlight

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	(Rac)-Vepdegestrant is an isomer of Vepdegestrant. Vepdegestrant ((Rac)-ARV-471) is an orally active estrogen receptor PROTAC degrader used against breast cancer. It is a heterobifunctional molecule that facilitates the interaction between estrogen receptor α and the intracellular E3 ligase complex. Vepdegestrant induces ubiquitination and subsequent degradation of the estrogen receptor via the proteasome, effectively degrading ER in ER-positive breast cancer cell lines with a DC50 value of approximately 2 nM.
Targets(IC50)	Estrogen Receptor/ERR,PROTACs

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3814 mL	6.907 mL	13.8141 mL
5 mM	0.2763 mL	1.3814 mL	2.7628 mL
10 mM	0.1381 mL	0.6907 mL	1.3814 mL
50 mM	0.0276 mL	0.1381 mL	0.2763 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

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