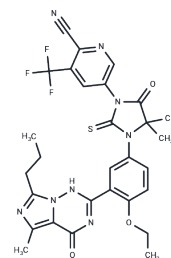


ID11916

Chemical Properties

CAS No. : 2785317-21-5
 Formula: C₂₉H₂₇F₃N₈O₃S
 Molecular Weight: 624.637
 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	ID11916 is an orally active compound functioning as both an androgen receptor (AR) antagonist and a phosphodiesterase 5 (PDE5) inhibitor. It disrupts androgen binding to AR, impedes nuclear translocation, and blocks androgen-dependent transcriptional activity of AR, while simultaneously elevating intracellular cGMP levels by inhibiting PKG activation. Moreover, ID11916 exhibits potent anticancer effects in prostate cancer cell lines VCaP and 22Rv1, as well as in AR-positive breast cancer cell line SK-BR-3.
Targets(IC50)	Androgen Receptor, PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6009 mL	8.0046 mL	16.0092 mL
5 mM	0.3202 mL	1.6009 mL	3.2018 mL
10 mM	0.1601 mL	0.8005 mL	1.6009 mL
50 mM	0.032 mL	0.1601 mL	0.3202 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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