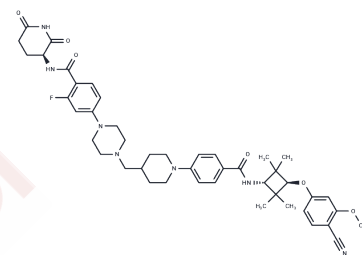


Luxdegalutamide

Chemical Properties

CAS No. :	2750830-09-0
Formula:	C45H54FN7O6
Molecular Weight:	807.95
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	Luxdegalutamide (ARV-766) is a novel, potent, and orally bioavailable proteolytic targeting chimera (PROTAC) protein degrader that degrades not only wild-type AR but also clinically relevant AR LBD mutants, including the most prevalent AR L702H, H875Y, and T878A mutations.
Targets(IC50)	Androgen Receptor,PROTACs
In vivo	Luxdegalutamide (ARV-766) significantly and dose-dependently inhibits tumor growth in mouse LNCaP and VCaP xenograft models.[2]

Solubility Information

Solubility	DMSO: 250 mg/mL (309.43 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2377 mL	6.1885 mL	12.377 mL
5 mM	0.2475 mL	1.2377 mL	2.4754 mL
10 mM	0.1238 mL	0.6189 mL	1.2377 mL
50 mM	0.0248 mL	0.1238 mL	0.2475 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

Daniel P. Petrylak et al., A phase 2 expansion study of ARV-766, a PROTACandrogen receptor (AR) degrader, in metastatic castration-resistant prostate cancer (mCRPC).. JCO 41, TPS290-TPS290(2023).

Snyder L, et al. Abstract ND03: Discovery of ARV-766, an androgen receptor degrading PROTAC® for the treatment of men with metastatic castration resistant prostate cancer[J]. Cancer Research, 2023, 83(7_Supplement): ND03-ND03.

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