

AR antagonist 1

Chemical Properties

CAS No. :	1818885-54-9
Formula:	C ₁₅ H ₁₉ ClN ₂ O
Molecular Weight:	278.777
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	AR antagonist 1 is a potent antagonist of the androgen receptor. It binds to E3 ligase ligands with weak binding affinities to VHL protein in the synthesis of PROTAC ARD-266.
Targets(IC50)	Androgen Receptor,Ligands for E3 Ligase,Ligands for Target Protein for PROTAC
In vitro	AR antagonist 1 (compound 29) is the ligand for the target ligase of ARD-266, a highly potent VHL E3 ligase-based androgen receptor (AR) PROTAC degrader. AR antagonist 1 exhibits micromolar binding affinity to its E3 ligase complex and can be effectively used in designing potent and efficient PROTAC degraders.

Solubility Information

Solubility	DMSO: 60.00 mg/mL (215.23 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	3.5871 mL	17.9353 mL	35.8706 mL
5 mM	0.7174 mL	3.5871 mL	7.1741 mL
10 mM	0.3587 mL	1.7935 mL	3.5871 mL
50 mM	0.0717 mL	0.3587 mL	0.7174 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

Han X, et al. Discovery of Highly Potent and Efficient PROTAC Degraders of Androgen Receptor (AR) by Employing Weak Binding Affinity VHL E3 Ligase Ligands. J Med Chem. 2019 Dec 26;62(24):11218-11231.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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