

ARD-1676

## Chemical Properties

CAS No. : 2632305-36-1

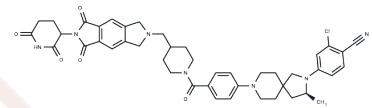
Formula: C44H46ClN7O5

Molecular Weight: 788.33

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   | ARD-1676 is an orally administered androgen receptor (AR) PROTAC degrader that combines an AR ligand with a cereblon ligand. It demonstrates AR-degrading activity both in vitro and in vivo, and effectively inhibits VCaP tumor growth in mouse xenograft models [1]. |
| Targets(IC50) | Androgen Receptor,PROTACs   |
| In vitro      | ARD-1676 exhibits a DC50 for androgen receptor (AR) degradation at 0.1 nM in AR+ VCaP cells and 1.1 nM in LNCaP cell lines, while its IC50 values for inhibiting cell proliferation are 11.5 nM in VCaP and 2.8 nM in LNCaP cell lines [1].                             |
| In vivo       | ARD-1676 exhibits oral bioavailability of 67%, 44%, 31%, and 99% in mice, rats, dogs, and monkeys, respectively. It effectively reduces AR (AR) protein levels in murine VCaP tumor tissues and inhibits tumor growth in the VCaP murine xenograft tumor model [1].     |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 1.2685 mL | 6.3425 mL | 12.685 mL |
| 5 mM  | 0.2537 mL | 1.2685 mL | 2.537 mL  |
| 10 mM | 0.1269 mL | 0.6343 mL | 1.2685 mL |
| 50 mM | 0.0254 mL | 0.1269 mL | 0.2537 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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