ARD-69

Cat. No.: HY-114402

CAS No.: 2316837-10-0

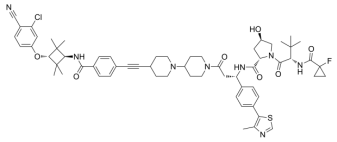
Molecular Formula: $C_{62}H_{74}ClFN_8O_7S$

Molecular Weight: 1129.82

Target: Androgen Receptor; PROTACs

Pathway: Vitamin D Related/Nuclear Receptor; PROTAC

Storage: -20°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 200 mg/mL (177.02 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	0.8851 mL	4.4255 mL	8.8510 mL
5 mM	0.1770 mL	0.8851 mL	1.7702 mL
10 mM	0.0885 mL	0.4425 mL	0.8851 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ARD-69 (compound 34) is a potent PROTAC androgen receptor degrader. ARD-69 induces degradation of androgen receptor (AR) protein in AR-positive prostate cancer cell lines. ARD-69 suppresses AR-regulated gene expression[1]. ARD-69 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

IC_{50} & Target

Androgen receptor (AR)[1]
PROTAC[1]

REFERENCES

[1]. Han X, et al. Discovery of ARD-69 as a Highly Potent Proteolysis Targeting Chimera (PROTAC) Degrader of Androgen Receptor (AR) for the Treatment of Prostate Cancer. J Med Chem. 2019 Jan 10.

Caution: Product has not been fully validated for medical applications. For research use only.

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