PROTAC AR-V7 degrader-1

Cat. No.: HY-145479

CAS No.: 2767440-24-2

Molecular Formula: $C_{41}H_{52}N_6O_6S_2$

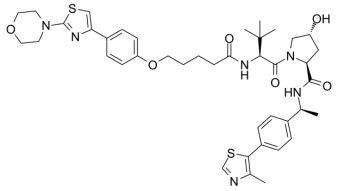
Molecular Weight: 789.02

Target: Androgen Receptor; PROTACs

Pathway: Vitamin D Related/Nuclear Receptor; PROTAC

Storage: -20°C, protect from light

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 110 mg/mL (139.41 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.2674 mL	6.3370 mL	12.6740 mL
	5 mM	0.2535 mL	1.2674 mL	2.5348 mL
	10 mM	0.1267 mL	0.6337 mL	1.2674 mL

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

BIOLOGICAL ACTIVITY

Description

PROTAC AR-V7 degrader-1 (Compound 6) is a potent, orally bioavailable and selective AR-V7 degrader with the DC_{50} of 0.32 μM by recruiting VHL E3 ligase to Androgen receptor (AR) DNA binding domain (DBD) binder. PROTAC AR-V7 degrader-1 exhibits activity against 22Rv1 cell-line expressing AR-V7 with the EC_{50} of 0.88 μM[1].

IC_{50} & Target

VHL

REFERENCES

[1]. Archana Bhumireddy, et al. Design, synthesis, and biological evaluation of phenyl thiazole-based AR-V7 degraders. Bioorg Med Chem Lett. 2022 Jan 1;55:128448.

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

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