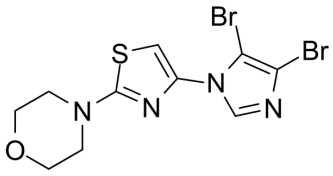
Ar-V7-IN-1

Cat. No.:	HY-145709
CAS No.:	2230880-25-6
Molecular Formula:	$C_{10}H_{10}Br_2N_4OS$
Molecular Weight:	394.09
Target:	Androgen Receptor
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (211.45 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.5375 mL	12.6875 mL	25.3749 mL
	5 mM	0.5075 mL	2.5375 mL	5.0750 mL
	10 mM	0.2537 mL	1.2687 mL	2.5375 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (5.28 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (5.28 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ar-V7-IN-1 is a potent inhibitor of Ar-V7. AR-V7 is a hormone-independent splice variant of the androgen receptor. Ar-V7-IN-1 has the potential for the research of various indications, in particular cancers such as prostate cancer (extracted from patent WO2018114781A1, compound 43)[1].

REFERENCES

[1]. Fuqiang Ban, et al. Ar-v7 inhibitors. Patent WO2018114781A1.

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

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