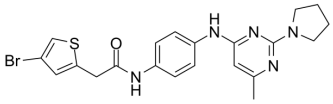
CHD1Li 6.11

Cat. No.:	HY-144256
CAS No.:	2716890-91-2
Molecular Formula:	$C_{21}H_{22}BrN_5OS$
Molecular Weight:	472.4
Target:	Others
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 : 100 mg/mL (211.69 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.1169 mL	10.5843 mL	21.1685 mL
5 mM	0.4234 mL	2.1169 mL	4.2337 mL
10 mM	0.2117 mL	1.0584 mL	2.1169 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: ≥ 2.5 mg/mL (5.29 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

CHD1Li 6.11 is a potent oncogenic CHD1L inhibitor (IC_{50}=3.3 μM for cat-CHD1L recombinant protein). CHD1Li 6.11 is an orally bioavailable antitumor agent, significantly reducing the tumor volume of CRC xenografts generated from isolated quasi mesenchymal cells (M-phenotype), which possess enhanced tumorigenic properties[1].

REFERENCES

[1]. Prigaro BJ, et al. Design, Synthesis, and Biological Evaluation of the First Inhibitors of Oncogenic CHD1L. J Med Chem. 2022;65(5):3943-3961.

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

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