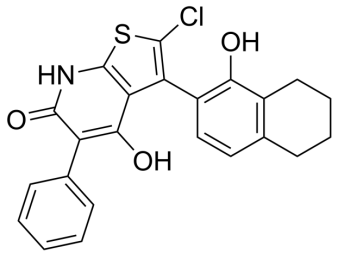
PXL770

Cat. No.:	HY-160004
CAS No.:	1523493-53-9
Molecular Formula:	$C_{23}H_{18}ClNO_3S$
Molecular Weight:	423.91
Target:	AMPK
Pathway:	Epigenetics; PI3K/Akt/mTOR
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 120 mg/mL (283.08 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3590 mL	11.7950 mL	23.5899 mL
	5 mM	0.4718 mL	2.3590 mL	4.7180 mL
	10 mM	0.2359 mL	1.1795 mL	2.3590 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: ≥ 3 mg/mL (7.08 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PXL770 is a direct AMP kinase activator. PXL770 can be used in the research of non-alcoholic fatty liver disease (NAFLD)[1].

REFERENCES

[1]. Kenneth Cusi, et al. Efficacy and safety of PXL770, a direct AMP kinase activator, for the treatment of non-alcoholic fatty liver disease (STAMP-NAFLD): a randomised, double-blind, placebo-controlled, phase 2a study. Lancet Gastroenterol Hepatol. 2021, 6, 11.

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

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