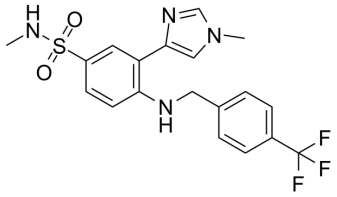
IK-930

Cat. No.:	HY-153585
CAS No.:	2563892-44-2
Molecular Formula:	$C_{19}H_{19}F_3N_4O_2S$
Molecular Weight:	424.44
Target:	YAP
Pathway:	Stem Cell/Wnt

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 (235.60 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.3560 mL	11.7802 mL	23.5605 mL
5 mM	0.4712 mL	2.3560 mL	4.7121 mL
10 mM	0.2356 mL	1.1780 mL	2.3560 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 (5.89 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (5.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

IK-930 (compound I-32) is a potent and orally active TEAD inhibitor with an EC_{50} value of <0.1 μM[1].

IC_{50} & Target

TEAD[1]

In Vivo

IK-930 (compound I-32) (10 mg/kg; p.o.) shows good pharmacokinetic parameters with C_{max} of 1088 ng/mL, AUC 0-last of 4581 ng*h/mL in BALB/c mice[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Alfredo C. Castro, et al. Tead inhibitors and uses thereof. WO2020243415A2.

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