(R)-Zunsemetinib

Cat. No.: HY-139553A

CAS No.: 1640282-44-5

Molecular Formula: $C_{25}H_{22}ClF_2N_5O_3$

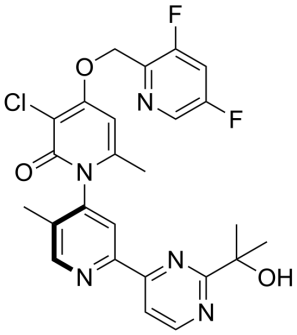
Molecular Weight: 513.92

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 : 50 mg/mL (97.29 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration / Solvent / Mass	1 mg	5 mg	10 mg
	1 mM	1.9458 mL	9.7291 mL	19.4583 mL
	5 mM	0.3892 mL	1.9458 mL	3.8917 mL
	10 mM	0.1946 mL	0.9729 mL	1.9458 mL

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

BIOLOGICAL ACTIVITY

Description

(R)-Zunsemetinib is the isomer of Zunsemetinib (HY-139553), and can be used as an experimental control. Zunsemetinib (CDD-450) is an orally active and selective p38α mitogen-activated protein kinase-activated protein kinase 2 (MK2) pathway inhibitor. Zunsemetinib can be used for the research of immuno-inflammatory diseases[1].

REFERENCES

[1]. Zunsemetinib (ATI-450) – Investigational oral MK2 pathway inhibitor

[2]. Aclaris Therapeutics Announces ATI-450 (MK2 pathway Inhibitor) publication in Journal of Experimental Medicine

[3]. Wang C, et al. Selective inhibition of the p38α MAPK-MK2 axis inhibits inflammatory cues including inflammasome priming signals. J Exp Med. 2018;215(5):1315-1325.

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

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