(S)-NIK SMI1

Cat. No.: HY-112433A

Molecular Formula: $C_{20}H_{19}N_3O_4$

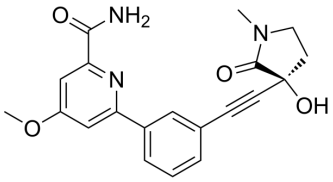
Molecular Weight: 365.38

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 (273.69 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.7369 mL	13.6844 mL	27.3688 mL
5 mM	0.5474 mL	2.7369 mL	5.4738 mL
10 mM	0.2737 mL	1.3684 mL	2.7369 mL

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

BIOLOGICAL ACTIVITY

Description

(S)-NIK SMI1 is the inactive isomer of NIK SMI1 (HY-112433), and can be used as an experimental control. NIK SMI1 is a potent, selective NF-κB inducing kinase (NIK) inhibitor, which inhibits NIK-catalyzed hydrolysis of ATP to ADP with IC_{50} of 0.23±0.17 nM.

REFERENCES

[1]. Blaquiere N, et al. Scaffold-Hopping Approach To Discover Potent, Selective, and Efficacious Inhibitors of NF-κB Inducing Kinase. J Med Chem. 2018 Aug 9;61(15):6801-6813.

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