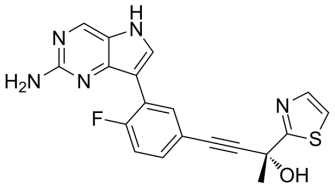
XT2

Cat. No.:	HY-145801		
CAS No.:	2582816-37-1		
Molecular Formula:	$C_{19}H_{14}FN_5OS$		
Molecular Weight:	379.41		
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 (131.78 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.6357 mL	13.1784 mL	26.3567 mL
5 mM	0.5271 mL	2.6357 mL	5.2713 mL
10 mM	0.2636 mL	1.3178 mL	2.6357 mL

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

BIOLOGICAL ACTIVITY

Description

XT2 is a potent, orally active, and selective inhibitor of NF-κB-inducing kinase (NIK) with an IC_{50} of 9.1 nM. XT2 suppresses CCl4-induced upregulation of ALT, a key biomarker of acute liver injury. XT2 also decreases immune cell infiltration into the injured liver tissue. XT2 has the potential for the research of liver inflammatory diseases[1]. XT2 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

REFERENCES

[1]. Li Z, et al. Discovery of a Potent and Selective NF-κB-Inducing Kinase (NIK) Inhibitor That Has Anti-inflammatory Effects in Vitro and in Vivo. J Med Chem. 2020;63(8):4388-4407.

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

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