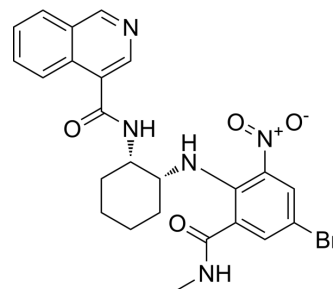


WU-04

Cat. No.:	HY-149535
CAS No.:	2921711-74-0
Molecular Formula:	C ₂₄ H ₂₄ BrN ₅ O ₄
Molecular Weight:	526.38
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (189.98 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8998 mL	9.4988 mL	18.9977 mL
5 mM	0.3800 mL	1.8998 mL	3.7995 mL
10 mM	0.1900 mL	0.9499 mL	1.8998 mL

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

BIOLOGICAL ACTIVITY

Description

WU-04 is a non-covalent inhibitor of SARS-CoV-2, targeting the 3CLpro protein. WU-04 has high inhibitory effect on the 3CLpro protein of 6 SARS-CoV-2 variants (Alpha, Beta, Gamma, Delta, Lambda and Omicron) and 2 coronaviruses (SARS-CoV and MERS-CoV)^[1].

REFERENCES

[1]. Wu J, et al. The molecular mechanism of non-covalent inhibitor WU-04 targeting SARS-CoV-2 3CLpro and computational evaluation of its effectiveness against mainstream coronaviruses. *Phys Chem Chem Phys*. 2023 Sep 13;25(35):23555-23567...

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

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