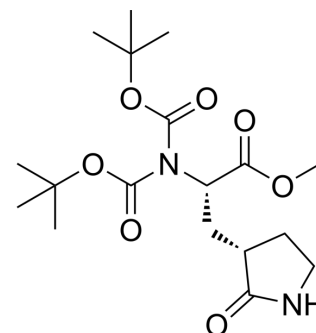


Antiviral agent 5

Cat. No.:	HY-139683		
CAS No.:	2698336-82-0		
Molecular Formula:	C ₁₈ H ₃₀ N ₂ O ₇		
Molecular Weight:	386.44		
Target:	SARS-CoV		
Pathway:	Anti-infection		
Storage:	Pure form	-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 (258.77 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5877 mL	12.9386 mL	25.8772 mL
	5 mM	0.5175 mL	2.5877 mL	5.1754 mL
	10 mM	0.2588 mL	1.2939 mL	2.5877 mL

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

BIOLOGICAL ACTIVITY

Description

Antiviral agent 5 is an intermediate used in antiviral agents targeting 3C and 3CL proteases including SARS-CoV-2 M^{PRO}.

REFERENCES

[1]. Vuong W, et al. Improved Synthesis of a Cyclic Glutamine Analogue Used in Antiviral Agents Targeting 3C and 3CL Proteases Including SARS-CoV-2 Mpro. J Org Chem. 2021 Sep 17;86(18):13104-13110.

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

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