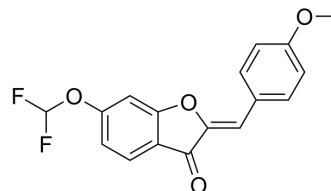


SARS-CoV-2-IN-46

Cat. No.:	HY-155016		
Molecular Formula:	C ₁₇ H ₁₂ F ₂ O ₄		
Molecular Weight:	318.27		
Target:	SARS-CoV		
Pathway:	Anti-infection		
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 (157.10 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1420 mL	15.7099 mL	31.4199 mL
	5 mM	0.6284 mL	3.1420 mL	6.2840 mL
	10 mM	0.3142 mL	1.5710 mL	3.1420 mL

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

BIOLOGICAL ACTIVITY

Description

SARS-CoV-2-IN-46 is a novel coronavirus (SARS-CoV-2) replication inhibitor with an EC₅₀ of 0.9 μM in Calu-3 cells. SARS-CoV-2-IN-46 has antiviral activity and can be used in novel coronavirus (COVID-19) research^[1].

In Vitro

SARS-CoV-2-IN-46 (Compound 8w) (1-10 μm) inhibites SARS-CoV-2 replication above 50% in Calu-3 cells^[1]. SARS-CoV-2-IN-46 (Compound 8w) (250 μm; 72 h) shows low toxicity in Calu-3 cells^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Caleffi GS, et al. Aurones: A Promising Scaffold to Inhibit SARS-CoV-2 Replication. J Nat Prod. 2023 Jun 23;86(6):1536-1549.

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

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