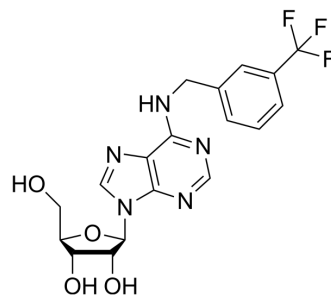


Antiviral agent 24

Cat. No.:	HY-151926		
CAS No.:	23661-03-2		
Molecular Formula:	C ₁₈ H ₁₈ F ₃ N ₅ O ₄		
Molecular Weight:	425.36		
Target:	Enterovirus		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (587.74 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.3509 mL	11.7547 mL	23.5095 mL
		5 mM		0.4702 mL	2.3510 mL	4.7019 mL
10 mM		0.2351 mL	1.1755 mL	2.3510 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.89 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.89 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Antiviral agent 24 is a potent antiviral agent with EC ₅₀ values of 0.101, 19.9, 91.2 μM for EV71, CVA21, EV68, respectively. Antiviral agent 24 inhibits METTL3/METTL14 activity in a dose-dependent manner ^[1] .
In Vitro	Antiviral agent 24 (compound 25) (0-1000 μM) inhibits METTL3/METTL14 complex activity with an EC ₅₀ value of 129 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Salerno M, et al. Rational design of novel nucleoside analogues reveals potent antiviral agents for EV71. Eur J Med Chem. 2022 Nov 24;246:114942.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA