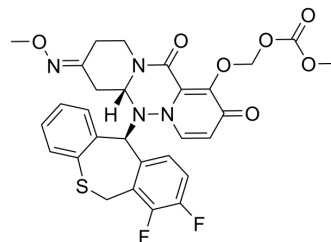


Influenza virus-IN-7

Cat. No.:	HY-153570
CAS No.:	2703046-92-6
Molecular Formula:	C ₂₉ H ₂₆ F ₂ N ₄ O ₇ S
Molecular Weight:	612.6
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Influenza virus-IN-7 (Example 16) is an orally active cap-dependent endonuclease inhibitor that can be used for the research of influenza viral infectious diseases ^[1] .	
IC₅₀ & Target	IC ₅₀ : Cap-dependent endonuclease ^[1]	
In Vitro	Influenza virus-IN-7 (Example 16) shows antiviral activity against influenza A/Weiss/43(H1N1) virus with an EC ₅₀ of <5 nM in MDCK cells (CC ₅₀ >1000 nM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Influenza virus-IN-7 (Example 16; 5 mg/kg; i.g.; twice daily for 5 days) improves the survival rate in WSN/33 (H1N1) infection mouse model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	WSN/33 (H1N1) infection mouse model ^[1]
	Dosage:	5 mg/kg
	Administration:	Intragastric administration, twice daily for 5 days
	Result:	Significantly improved the survival rate.

REFERENCES

[1]. Wang Shen, et al. Polycyclic pyridopyridazine amide oxime-containing carbocyclic derivatives and uses thereof. Patent CN114315827A.

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

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