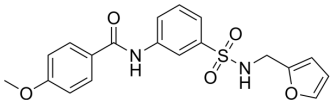
Anti-Influenza agent 4

Cat. No.:	HY-148309
CAS No.:	522625-85-0
Molecular Formula:	$C_{19}H_{18}N_2O_5S$
Molecular Weight:	386.42
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-Influenza agent 4 is a potent and selective influenza virus inhibitor with EC_{50}s of 150 nM and 62 nM for strains A/Roma and A/Parma, respectively[1].
IC_{50} & Target	EC_{50}: 150±0.07 nM (A/Roma), 62±0.02 nM (A/Parma)[1]
In Vitro	Anti-Influenza agent 4 (compound 5) (0-500 μM; 24 and 48 h) exhibits low cytotoxicity in MDCK cells[1]. Anti-Influenza agent 4 shows highly antiviral activity against influenza strain A/Roma and A/Parma with EC_{50}s of 150±0.07 nM and 62±0.02 nM, respectively[1]. Anti-Influenza agent 4 shows IC_{50}s of 244 nM and 230.7 nM against influenza strain A/Roma and A/Parma in hemolysis inhibition assay[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Cytotoxicity Assay[1]

Cell Line:	MDCK cells
Concentration:	0-500 μM
Incubation Time:	24 and 48 h
Result:	Exhibited low cytotoxicity with a CC_{50} value of 450 μM.

REFERENCES

[1]. Agamennone M, Pietrantoni A, Superti F. Identification of small molecules acting against H1N1 influenza A virus. Virology. 2016 Jan 15;488:249-58.

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

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