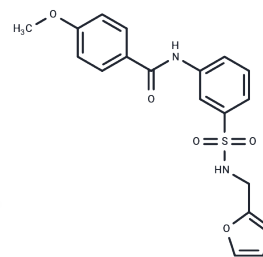


## Anti-Influenza agent 4

## Chemical Properties

CAS No. :	522625-85-0
Formula:	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	386.42
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Anti-Influenza agent 4 is a potent and selective inhibitor of the influenza virus, effectively inhibiting the A/Parma and A/Roma strains with EC <sub>50</sub> s of 62 nM and 150 nM, respectively.
Targets(IC <sub>50</sub> )	Influenza Virus
In vitro	Anti influenza agent 4 (compound 5) (0-500 μM; 24 and 48 hours) showed low cytotoxicity in Madin-Darby canine kidney cells.[1] In hemolytic inhibition assay anti influenza agent 4 showed an IC <sub>50</sub> of 244 nM and 230.7 nM against influenza strains A/Roma and A/Parma, respectively.[1]

## Solubility Information

Solubility	DMSO: 45 mg/mL (116.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5879 mL	12.9393 mL	25.8786 mL
5 mM	0.5176 mL	2.5879 mL	5.1757 mL
10 mM	0.2588 mL	1.2939 mL	2.5879 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Agamennone M, et al. Identification of small molecules acting against H1N1 influenza A virus. Virology. 2016;488: 249-258.

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