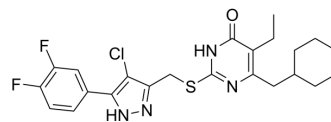


## DENV-IN-5

<b>Cat. No.:</b>	HY-143274
<b>CAS No.:</b>	2375781-06-7
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>25</sub> ClF <sub>2</sub> N <sub>4</sub> OS
<b>Molecular Weight:</b>	478.99
<b>Target:</b>	HIV; DNA/RNA Synthesis; Flavivirus; Dengue virus
<b>Pathway:</b>	Anti-infection; Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	DENV-IN-5 (Compound 4b) is a dengue virus (DENV) inhibitor with EC <sub>50</sub> s of 1.47, 9.23, 7.08 and 8.91 μM against DENV-I - IV replication, respectively. DENV-IN-5 also inhibits HIV-1 <sub>IIIB</sub> strain with an EC <sub>50</sub> of 0.1512 μM <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	HIV (IIIB)	DENV-I	DENV-III	DENV-IV
	0.1512 μM (EC <sub>50</sub> )	1.47 μM (EC <sub>50</sub> )	7.08 μM (EC <sub>50</sub> )	8.91 μM (EC <sub>50</sub> )
	DENV-II			
	9.23 μM (EC <sub>50</sub> )			

## REFERENCES

[1]. Rui RM, et al. C6-structural optimizations of 2-aryl-1H-pyrazole-S-DABOs: From anti-HIV to anti-DENV activity. *Bioorg Chem.* 2022 Feb;119:105494.

**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