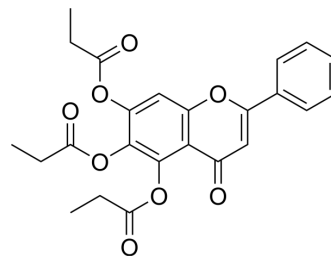


DENV-IN-7

Cat. No.:	HY-152081
CAS No.:	2499537-22-1
Molecular Formula:	C ₂₄ H ₂₂ O ₈
Molecular Weight:	438.43
Target:	HIV; DNA/RNA Synthesis; Flavivirus; Dengue virus
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DENV-IN-7, a flavone analog, is a dengue virus (DENV) inhibitor with an EC ₅₀ value of 70 nM. DENV-IN-7 has low toxicity against normal cell and anti-dengue activity ^[1] .									
In Vitro	<p>DENV-IN-7 (compound 5d; 10 μM; 48 h) has low toxicity against LLC/MK2 cells^[1].</p> <p>DENV-IN-7 (1 nM-10 μM; 72 h) has anti-dengue activity and inhibits viral replication in DENV2-infected LLC/MK2 cells^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>LLC/MK2 cells</td> </tr> <tr> <td>Concentration:</td> <td>10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 hours</td> </tr> <tr> <td>Result:</td> <td>Had non-toxic with the viability above 75%.</td> </tr> </table>		Cell Line:	LLC/MK2 cells	Concentration:	10 μM	Incubation Time:	48 hours	Result:	Had non-toxic with the viability above 75%.
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REFERENCES

[1]. Patigo A, et, al. Design, synthesis, in vitro, in silico, and SAR studies of flavone analogs towards anti-dengue activity. Sci Rep. 2022 Dec 14;12(1):21646.

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

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