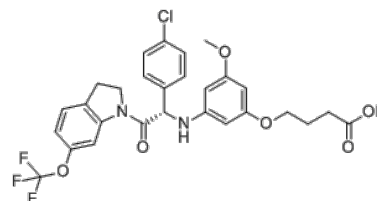


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<b>Product Name</b>	: JNJ-A07
<b>Cat. No.</b>	: PC-72500
<b>CAS No.</b>	: 2135640-93-4
<b>Molecular Formula</b>	: C <sub>28</sub> H <sub>26</sub> ClF <sub>3</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	: 578.969
<b>Target</b>	: Filovirus
<b>Solubility</b>	: 100 mM in DMSO (579 mg/mL)



## Biological Activity

JNJ-A07 is a highly potent, highly specific **dengue virus (DENV)** inhibitor targeting the **NS3-NS4B** interaction. JNJ-A07 displays high potency with nanomolar to picomolar activity against a panel of 21 clinical isolates that represent the natural genetic diversity of known genotypes and serotypes. JNJ-A07 has a high barrier to resistance and prevents the formation of the viral replication complex by blocking the interaction between viral proteins NS3 and NS4B. JNJ-A07 has a favourable pharmacokinetic profile that results in outstanding efficacy against dengue virus infection in mouse infection models.

## References

Suzanne J F Kaptein, et al. *Nature*. 2021 Oct;598(7881):504-509.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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