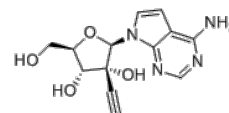


Product Name : NITD008
Cat. No. : PC-38666
CAS No. : 1044589-82-3
Molecular Formula : C₁₃H₁₄N₄O₄
Molecular Weight : 290.279
Target : Filovirus
Solubility : 10 mM in DMSO



Biological Activity

NITD008 is a selective, adenosine-based **flavivirus** inhibitor, inhibits dengue virus (**DENV**, EC₅₀= 0.64 μM), HCV and cellular entry of ZIKV, also has potent antiviral activity against EV71 with EC₅₀ of 0.67 μM in cell culture.

NITD008 also inhibits other flaviviruses, including West Nile virus, yellow fever virus, and Powassan virus.

NITD008 directly inhibits the RNA-dependent RNA polymerase activity of DENV.

NITD008 suppressed peak viremia, reduced cytokine elevation, and completely prevented the infected mice from death in DENV-infected mice.

References

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Shang L, et al. *Antiviral Res*. 2014 Dec;112:47-58.

Deng CL, et al. *J Virol*. 2014 Oct;88(20):11915-23.

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

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