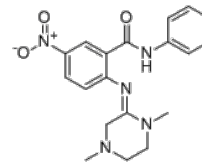


Product Name : ML336
Cat. No. : PC-38481
CAS No. : 1613465-33-0
Molecular Formula : C₁₉H₂₁N₅O₃
Molecular Weight : 367.409
Target : Other Viruses
Solubility : 10 mM in DMSO



Biological Activity

ML336 is a highly potent small molecule inhibitor of Venezuelan equine encephalitis virus (VEEV) with EC₅₀ of 0.02-0.04 μM. ML336 potently inhibits VEEV RNA synthesis with IC₅₀ of 1.1 nM, but not Old World alphavirus Chikungunya virus (IC₅₀>4 μM).

ML336 inhibits the synthesis of the positive sense genomic, negative sense template, and subgenomic RNAs of VEEV. ML336 shows significant protection and inhibits viral replication in vivo in VEEV-infected mice (5 mg/kg/day).

ML336 appears to inhibit viral replication through a unique pathway involving interference with viral nonstructural proteins 2 and 4, or inhibits viral RNA synthesis through interaction with the viral replicase complex.

References

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

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