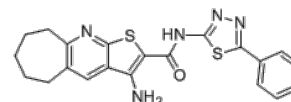


Product Name : ST-148
Cat. No. : PC-35008
CAS No. : 400863-77-6
Molecular Formula : C₂₁H₁₉N₅OS₂
Molecular Weight : 421.537
Target : Filovirus
Solubility : 10 mM in DMSO



Biological Activity

ST-148 is a potent, broad-spectrum inhibitor of dengue virus (**DENV**) replication, inhibits DENV-2 with EC₅₀ of 16 nM in viral titer reduction assays, interacts with the DENV capsid protein.

ST-148 exhibits a broad range of potencies with EC₅₀ of 0.512, 1.150, and 2.832 μM for DENV-3, -4, and -1, respectively. ST-148 significantly reduced viremia and viral load in vital organs and tended to lower cytokine levels in the plasma in a nonlethal model of DENV infection in AG129 mice.

References

Byrd CM, et al. *Antimicrob Agents Chemother.* 2013 Jan;57(1):15-25.

Scaturro P, et al. *J Virol.* 2014 Oct;88(19):11540-55.

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

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