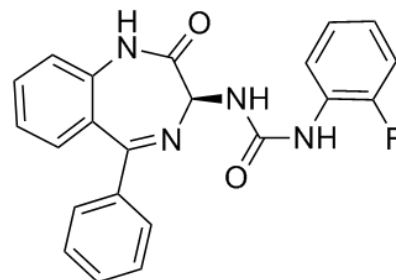


Product Name : RSV604
Cat. No. : PC-43309
CAS No. : 676128-63-5
Molecular Formula : C₂₂H₁₇FN₄O₂
Molecular Weight : 388.3944
Target : RSV
Solubility : DMSO: ≥ 195 mg/mL



Biological Activity

RSV604 (RSV-604) is a potent respiratory syncytial virus (**RSV**) inhibitor with EC₅₀ of 0.86 μM in XTT assay, targets the nucleocapsid protein and is active post-RSV infection. RSV604 is also equipotent against 40 clinical isolates of RSV with an average EC₅₀ of 0.8 μM by plaque reduction assay. The mutations (N105D, I129L, L139I, and I129L with L139I) within the nucleocapsid protein confer 5- to 20-fold reduced potency for RSV604. RSV604 inhibits virus replication after mucosal inoculation in human airway epithelial cell model (EC₅₀=0.5-0.9 μM).

References

- Henderson EA, et al. *J Med Chem*. 2007 Apr 5;50(7):1685-92.
Chapman J, et al. *Antimicrob Agents Chemother*. 2007 Sep;51(9):3346-53.
Challa S, et al. *Antimicrob Agents Chemother*. 2015 Feb;59(2):1080-7.

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

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