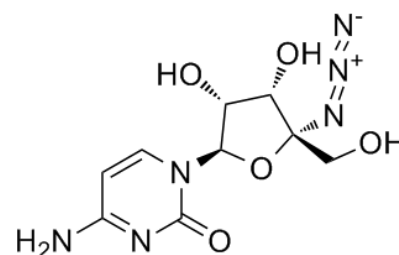


Product Name : R-1479
Cat. No. : PC-42589
CAS No. : 478182-28-4
Molecular Formula : C₉H₁₂N₆O₅
Molecular Weight : 284.2288
Target : HCV
Solubility : DMSO



Biological Activity

A potent, specific inhibitor of HCV NS5B polymerase and HCV replication (IC₅₀=1.28 μM, replicon assay); shows no effect on cell viability or proliferation of HCV replicon or Huh-7 cells at >2 mM; inhibits RNA synthesis mediated by NS5B with IC₅₀ of 320 nM, is the active form of Balapiravir (R-1479).

References

- Smith DB, et al. *Bioorg Med Chem Lett*. 2007 May 1;17(9):2570-6.
Klumpp K, et al. *J Biol Chem*. 2006 Feb 17;281(7):3793-9.
Ali S, et al. *Antimicrob Agents Chemother*. 2008 Dec;52(12):4356-69.

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

E-mail: tech@probechem.com