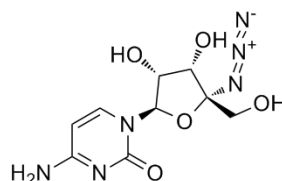


Product Name	: R-1479
Synonyms	: R 1479; 4'-Azidocytidine; R1479
Cat No.	: M14594
CAS Number	: 478182-28-4
Molecular Formula	: C ₉ H ₁₂ N ₆ O ₅
Formula Weight	: 284.23
Chemical Name	: Cytidine, 4'-C-azido-
Description	: A potent, specific inhibitor of HCV NS5B polymerase and HCV replication (IC ₅₀ =1.28 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 IC ₅₀ of 320 nM, is the active form of Balapiravir (R-1479).
Pathway	: Microbiology/Virology
Target	: HCV
Receptor	: HCV
Solubility	: DMSO
SMILES	: <chem>NC1=NC(N([C@@H]2O[C@@](N=[N+]=[N-])([C@H]([C@H]2O)O)CO)C=C1)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Smith DB, et al. Bioorg Med Chem Lett. 2007 May 1;17(9):2570-6. 2. Klumpp K, et al. J Biol Chem. 2006 Feb 17;281(7):3793-9. 3. Ali S, et al. Antimicrob Agents Chemother. 2008 Dec;52(12):4356-69.