

Product Name : Azvudine

Synonyms : RO 0622

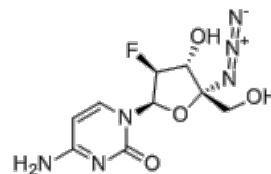
Cat No. : M10071

CAS Number : 1011529-10-4

Molecular Formula : C₉H₁₁FN₆O₄

Formula Weight : 286.22

Chemical Name : 4-amino-1-[(2R,3S,4R,5R)-5-azido-3-fluoro-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidin-2-one



Description : Azvudine (RO 0622) is a potent HCV NS5B RNA polymerase inhibitor, inhibits HCV replication in the replicon system with IC₅₀ of 24 nM; inhibits RNA synthesis by HCV polymerases from either HCV genotypes 1a and 1b or containing S96T or S282T point mutations (IC₅₀=10-100 nM).

Pathway : Microbiology/Virology

Target : HCV

Receptor : HCV

Solubility : —

SMILES : O=C1N=C(N)C=CN1[C@@H]2[C@@H](F)[C@@H]([C@](CO)(N=[N+]=[N-])O2)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Klumpp K, et al. J Biol Chem. 2008 Jan 25;283(4):2167-75.