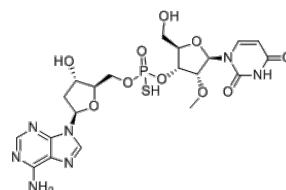


Product Name : Inarigivir
Synonyms : ORI-9020;SB-9000
Cat No. : M14586
CAS Number : 475650-36-3
Molecular Formula : C₂₀H₂₆N₇O₁₀PS
Formula Weight : 587.50



Chemical Name : O-(((2R,3S,5R)-5-(6-amino-9H-purin-9-yl)-3-hydroxytetrahydrofuran-2-yl)methyl) O-((2R,3R,4R,5R)-5-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-2-(hydroxymethyl)-4-methoxytetrahydrofuran-3-yl) S-hydrogen phosphorothioate

Description : Inarigivir (ORI-9020, SB-9000) is a dinucleotide that activates RIG-I and NOD2, induces interferon mediated antiviral immune responses; shows broad-spectrum antiviral activity against RNA viruses including HCV, norovirus, RSV and influenza, and also demonstrates activity HBV in vitro and in vivo; a novel agonist of innate immunity; active component of Inarigivir soproxil (SB-9200).

Pathway : Immunology/Inflammation

Target : RLR

Receptor : RLR

Solubility : —

SMILES : O=P(OC[C@H]1O[C@@H](N2C=NC3=C(N)N=CN=C23)C[C@H]1O)(S)O[C@@H]4[C@@H](CO)O[C@@H](N(C(N5=O)C=CC5=O)[C@H]4OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Korolowicz KE, et al. PLoS One. 2016 Aug 23;11(8):e0161313. | 2. Suresh M, et al. PLoS One. 2017 Jan 5;12(1):e0169631. | 3. Jones M, et al. J Med Virol. 2017 Sep;89(9):1620-1628. | 4. Iyer RP, et al. Antimicrob Agents Chemother. 2004 Jun;48(6):2318-20.