

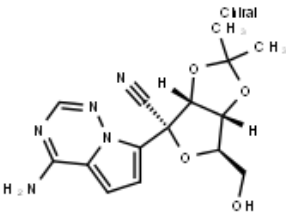
## Certificate of Analysis

|        |   |
|--------|---|
| Target | Inhibitors & Agonists>>Cell Cycle/DNA Damage>>DNA/RNA Synthesis |
| Cat.No | DC40993   |
| Name   | Remdesivir O-desphosphate acetonide impurity                    |

**Tel:** +86-21-58447131  
**Fax:** +86-21-61642470

**Email:**  
sales@dcchemicals.com  
order@dcchemicals.com

## Chemical Properties

|           |   |
|-----------|---|
| CAS       | 1191237-80-5  |
| Formula   | C <sub>15</sub> H <sub>17</sub> N <sub>5</sub> O <sub>4</sub>   |
| MW        | 331.33  |
| Storage   | Powder-20°C 3 years 4°C 2 years In solvent-80°C 6 months -20°C 1 month  |
| Structure |  <p>The image shows the chemical structure of Remdesivir O-desphosphate acetonide impurity. It features a pyrimidopyrimidine core with a cytosine-like ring fused to a pyrimidine ring. The pyrimidine ring has an amino group (-NH<sub>2</sub>) at the 2-position. The pyrimidopyrimidine core is linked via a cyano group (-C≡N) to a central carbon atom. This central carbon is also bonded to a hydrogen atom (H) and an oxygen atom (O). The oxygen atom is part of an acetonide group, which is a five-membered cyclic acetal formed from acetic anhydride and a diol. The acetonide group is attached to a ribose-like sugar moiety. The sugar moiety has a hydroxyl group (-OH) at the 2' position and a hydrogen atom (H) at the 3' position. The acetonide group is also bonded to a methyl group (-CH<sub>3</sub>) and a hydrogen atom (H).</p> |
| Purity    | >98%  |

**Website:**  
www.dcchemicals.com