

## R-1479

**Catalog No: tcsc0362**



### Available Sizes

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**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



### Specifications

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**CAS No:**

478182-28-4

**Formula:**

$C_9H_{12}N_6O_5$

**Pathway:**

Anti-infection

**Target:**

HCV

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 50$  mg/mL (175.91 mM)

**Alternative Names:**

4'-Azidocytidine

**Observed Molecular Weight:**

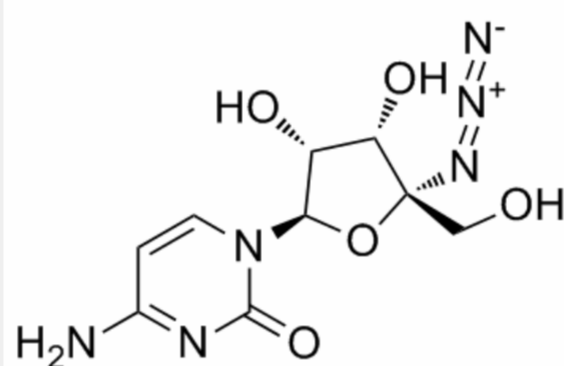
284.23

## Product Description

R-1479 is a specific inhibitor of **HCV replication** in the HCV subgenomic replicon system (**IC<sub>50</sub>**=1.28 μM).

IC50 & Target: IC50: 1.28 μM (HCV replication)<sup>[1]</sup>

**In Vitro:** R-1479 (R1479) inhibits HCV RNA replication with a mean IC<sub>50</sub> value of 1.28 μM when measured as dose-dependent reduction of Renilla luciferase activity after a 72 h incubation of proliferating replicon cells. R-1479 shows no effect on cell viability or proliferation of HCV replicon or Huh-7 cells at concentrations up to 2 mM<sup>[1]</sup>. The most potent and non-cytotoxic derivative is R-1479 with an IC<sub>50</sub> of 1.28 μM in the HCV replicon system. The triphosphate of R-1479 is prepared and shown to be an inhibitor of RNA synthesis mediated by NS5B (IC<sub>50</sub>=320 nM), the RNA polymerase encoded by HCV. R-1479 displays good activity in the replicon assay with no measurable cytotoxic or cytostatic effect<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!