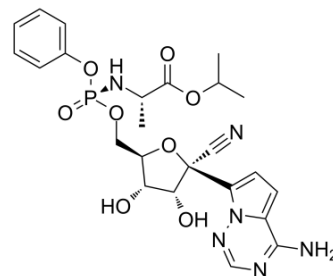


## Anti-virus agent 1

Cat. No.:	HY-131233
CAS No.:	1911578-83-0
Molecular Formula:	C <sub>24</sub> H <sub>29</sub> N <sub>6</sub> O <sub>8</sub> P
Molecular Weight:	560.5
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

Anti-virus agent 1 (compound 4i), a phosphoramidate prodrug of GS-5734 (HY-104077; Remdesivir), has potent **antiviral** activity. Anti-virus agent 1 is used for the research of coronavirus and Ebola virus (EBOV)<sup>[1][2]</sup>.

#### In Vitro

Anti-virus agent 1 (compound 4i) has antiviral activity for EBOV in HeLa cell (EC<sub>50</sub>=1845 nM), HMVEC cell (TERT-immortalized human foreskin microvascular endothelial cells; ATCC-4025; EC<sub>50</sub>=367 nM), human macrophages (EC<sub>50</sub>=297 nM). Anti-virus agent 1 has a CC<sub>50</sub> of 21 μM in MT4 cell (human leukemia T-cell)<sup>[1]</sup>.

### REFERENCES

[1]. Dustin Siegel, et al. Discovery and Synthesis of a Phosphoramidate Prodrug of a Pyrrolo[2,1-f][triazin-4-amino] Adenine C-Nucleoside (GS-5734) for the Treatment of Ebola and Emerging Viruses. *J Med Chem.* 2017 Mar 9;60(5):1648-1661.

[2]. Michael O' Neil Hanrahan Clarke, et al. Methods for treating arenaviridae and coronaviridae virus infections. US20170071964A1.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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