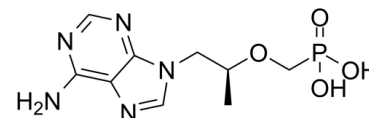


## Data Sheet

<b>Product Name:</b>	(S)-Tenofovir
<b>Cat. No.:</b>	CS-0111892
<b>CAS No.:</b>	147127-19-3
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>14</sub> N <sub>5</sub> O <sub>4</sub> P
<b>Molecular Weight:</b>	287.21
<b>Target:</b>	HBV; HIV
<b>Pathway:</b>	Anti-infection
<b>Solubility:</b>	DMSO : 5 mg/mL (17.41 mM); ultrasonic and warming and heat to 60°C)



### BIOLOGICAL ACTIVITY:

(S)-Tenofovir ((S)-GS 1278) is the less active S-enantiomer of Tenofovir. Tenofovir is a nucleotide reverse transcriptase inhibitor to treat HIV and chronic Hepatitis B (HBV)<sup>[1]</sup>.

### References:

[1]. Murphy RA, et al. Establishment of HK-2 Cells as a Relevant Model to Study Tenofovir-Induced Cytotoxicity. Int J Mol Sci. 2017 Mar 1;18(3).

### CAIndexNames:

Phosphonic acid, P-[[[(1S)-2-(6-amino-9H-purin-9-yl)-1-methylethoxy]methyl]-

### SMILES:

OP(O)(CO[C@@H](C)CN1C=NC2=C(N)N=CN=C12)=O

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

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