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**Product Data Sheet**

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Product Name: (S)-Tenofovir

Cat. No.: GC39317

**Chemical Properties**

Cas. No. 147127-19-3

SMILES OP(O)(CO[C@@H](C)CN1C=NC2=C(N)N=CN=C12)=OFormula C9H14N5O4P M.Wt 287.21

Solubility DMSO : 5 mg/mL (17.41 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

(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)[1].

[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).

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

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