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**Product Data Sheet**

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Product Name: Sofosbuvir impurity A

Cat. No.: GC32344

**Chemical Properties**

Cas. No. 1496552-16-9

SMILES O=[P@](N[C@H](C)C(OC(C)C)=O)(OC[C@@H]1[C@@H](O)[C@](F)(C)[C@H](N2C=CC(NC2=O)=O)O1)OC3=CC=CC=C3Formula C<sub>22</sub>H<sub>29</sub>FN<sub>3</sub>O<sub>9</sub>P

M.Wt 529.45

Solubility DMSO : 100 mg/mL (188.88 mM; Need ultrasonic) 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**

Sofosbuvir impurity A, an diastereoisomer of sofosbuvir, is the impurity of sofosbuvir. Sofosbuvir (PSI-7977) is an inhibitor of HCV RNA replication, demonstrates potent anti-hepatitis C virus activity.

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

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