

Product Data Sheet

Product Name: PSI-7976

Cat. No.: GC37032

Chemical Properties

Cas. No. 1190308-01-0

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=C3

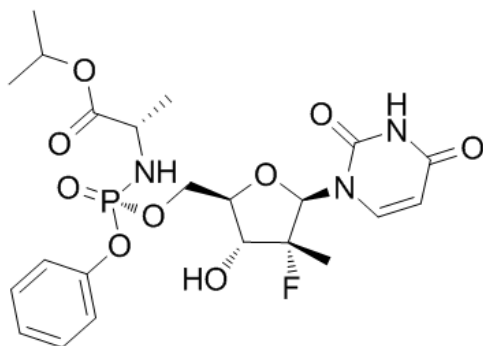
Formula $C_{22}H_{29}FN_3O_9P$ M.Wt 529.45

Solubility Soluble in DMSO 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

PSI-7976 is the isomer of PSI-7977. PSI-7977 is an active inhibitor of HCV RNA replication in the HCV replicon assay, demonstrates potent anti-hepatitis C virus (HCV) activity.

PSI-7851 is a mixture of two diastereoisomers, PSI-7976 and PSI-7977, with PSI-7977 being the

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

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more active inhibitor of HCV RNA replication in the HCV replicon assay. Carboxylesterase 1 (CES1) preferentially hydrolyzes PSI-7976 over PSI-7977. The kinetic data also indicates that PSI-7976 is a better substrate for CES1 than for cathepsin A (CatA)[1]

[1]. Murakami E, et al. Mechanism of activation of PSI-7851 and its diastereoisomer PSI-7977. J Biol Chem. 2010 Nov 5;285(45):34337-47.

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