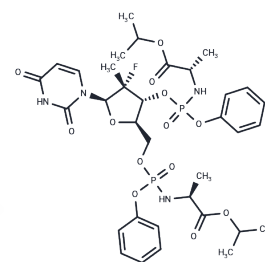


Sofosbuvir impurity F

Chemical Properties

CAS No. : 1337482-17-3
 Formula: C₃₄H₄₅FN₄O₁₃P₂
 Molecular Weight: 798.69
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Sofosbuvir impurity F (Sofosbuvir 3',5'-Bis-(S)-phosphate) is both a diastereomer of Sofosbuvir and an impurity of Sofosbuvir which is an inhibitor of HCV RNA replication.
Targets(IC50)	HCV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2521 mL	6.2603 mL	12.5205 mL
5 mM	0.2504 mL	1.2521 mL	2.5041 mL
10 mM	0.1252 mL	0.626 mL	1.2521 mL
50 mM	0.025 mL	0.1252 mL	0.2504 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Baker MM, Hammad SF, Belal TS. Development and validation of a versatile HPLC-DAD method for simultaneous determination of the antiviral drugs daclatasvir, ledipasvir, sofosbuvir and ribavirin in presence of seven potential impurities. Application to assay of dosage forms and dissolution studies. Drug Dev Ind Pharm. 2019 Jul;45(7): 1111-1119.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481