Data Sheet (Cat.No.T12962)



Sofosbuvir impurity G

Chemical Properties			
CAS No. :	1337482-15-1		
Formula:	C22H29FN3O9P		
Molecular Weight:	529.45		
Appearance:	no data available		
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year		

Biological Description

Description	Sofosbuvir impurity G is both a diastereomer of Sofosbuvir and an impurity of Sofosbuvir which is an inhibitor of HCV RNA replication.
Targets(IC50)	HCV Protease

Solubility Information	
Solubility	DMSO: 50 mg/mL (94.44 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8888 mL	9.4438 mL	18.8875 mL
5 mM	0.3778 mL	1.8888 mL	3.7775 mL
10 mM	0.1889 mL	0.9444 mL	1.8888 mL
50 mM	0.0378 mL	0.1889 mL	0.3778 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

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