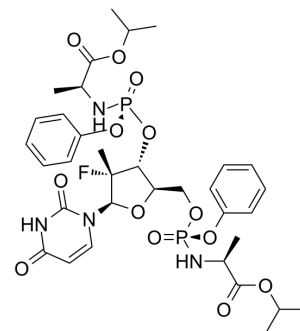


Sofosbuvir impurity F

Cat. No.:	HY-I0406		
CAS No.:	1337482-17-3		
Molecular Formula:	C ₃₄ H ₄₅ FN ₄ O ₁₃ P ₂		
Molecular Weight:	798.69		
Target:	HCV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (125.21 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	0.6260 mL	1.2521 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.13 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Sofosbuvir impurity F, a 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.
IC₅₀ & Target	HCV ^[1]

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

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