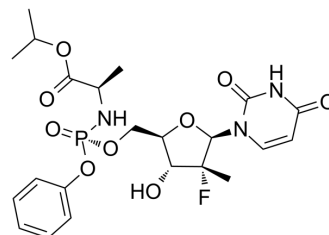


Sofosbuvir impurity A

Cat. No.:	HY-15005C		
CAS No.:	1496552-16-9		
Molecular Formula:	C ₂₂ H ₂₉ FN ₃ O ₉ P		
Molecular Weight:	529.45		
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 (188.88 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	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
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 (4.72 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.72 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.72 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	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.
IC₅₀ & Target	HCV ^[1]

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA