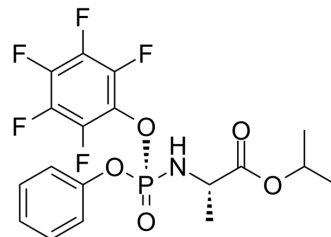


Isopropyl ((R)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate

Cat. No.:	HY-59121A		
CAS No.:	1337529-56-2		
Molecular Formula:	C ₁₈ H ₁₇ F ₅ NO ₅ P		
Molecular Weight:	453.3		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (220.60 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2060 mL	11.0302 mL	22.0604 mL
		5 mM	0.4412 mL	2.2060 mL	4.4121 mL
		10 mM	0.2206 mL	1.1030 mL	2.2060 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (5.52 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.52 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Isopropyl ((R)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate can be used to synthesis Sofosbuvir (HY-15005) to avoid the production of sofosbuvir degradation impurities ^[1] .
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REFERENCES

[1]. Shi GH, et al. The preparation of Suo Feibuwei. CN109535213A.

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

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