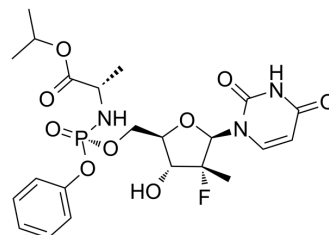


## PSI-7976

<b>Cat. No.:</b>	HY-15005A		
<b>CAS No.:</b>	1190308-01-0		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>29</sub> FN <sub>3</sub> O <sub>9</sub> P		
<b>Molecular Weight:</b>	529.45		
<b>Target:</b>	HCV		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## BIOLOGICAL ACTIVITY

### Description

PSI-7976 is the isomer of PSI-7977. PSI-7977 is an active inhibitor of HCV RNA replication in the HCV replicon assay, demonstrates potent anti-hepatitis C virus (HCV) activity.

### In Vitro

PSI-7851 is a mixture of two diastereoisomers, PSI-7976 and PSI-7977, with PSI-7977 being the more active inhibitor of HCV RNA replication in the HCV replicon assay. Carboxylesterase 1 (CES1) preferentially hydrolyzes PSI-7976 over PSI-7977. The kinetic data also indicates that PSI-7976 is a better substrate for CES1 than for cathepsin A (CatA)<sup>[1]</sup> MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Murakami E, et al. Mechanism of activation of PSI-7851 and its diastereoisomer PSI-7977. J Biol Chem. 2010 Nov 5;285(45):34337-47.

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

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