



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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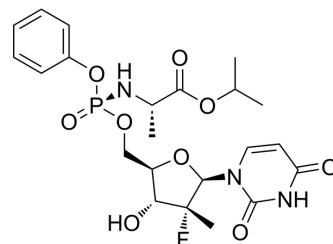
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## Sofosbuvir (Standard)

Cat. No.:	HY-15005R
CAS No.:	1190307-88-0
Molecular Formula:	C <sub>22</sub> H <sub>29</sub> FN <sub>3</sub> O <sub>9</sub> P
Molecular Weight:	529.45
Target:	HCV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Sofosbuvir (Standard) is the analytical standard of Sofosbuvir. This product is intended for research and analytical applications. Sofosbuvir (GS-7977) is an HCV RNA replication inhibitor with an EC <sub>50</sub> of 92 nM <sup>[1]</sup> .
IC <sub>50</sub> & Target	EC <sub>50</sub> : 92±5 nM (HCV) <sup>[1]</sup>

### 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.
- [2]. Lam AM, et al. Genotype and subtype profiling of PSI-7977 as a nucleotide inhibitor of hepatitis C virus. *Antimicrob Agents Chemother*. 2012 Jun;56(6):3359-68.
- [3]. Sofia MJ, et al. Discovery of a β-d-2'-deoxy-2'-α-fluoro-2'-β-C-methyluridine nucleotide prodrug (PSI-7977) for the treatment of hepatitis C virus. *J Med Chem*. 2010 Oct 14;53(19):7202-18.
- [4]. Zhang X, et al. Discovery and evolution of aloperine derivatives as a new family of HCV inhibitors with novel mechanism. *Eur J Med Chem*. 2018 Jan 1;143:1053-1065.

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

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