



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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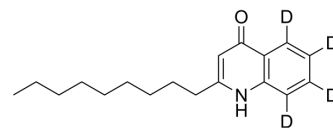
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## Pseudane IX-d<sub>4</sub>

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-W555382S                                                                               |
| Molecular Formula: | C <sub>18</sub> H <sub>21</sub> D <sub>4</sub> NO                                         |
| Molecular Weight:  | 275.42                                                                                    |
| Target:            | Isotope-Labeled Compounds; HCV                                                            |
| Pathway:           | Others; Anti-infection                                                                    |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

Pseudane IX-d<sub>4</sub> (2-Nonylquinolin-4(1H)-one-d<sub>4</sub>) is deuterium labeled Pseudane IX. Pseudane IX, a compound isolated from the leaves of *Ruta angustifolia*, has strong anti-HCV activity with an IC<sub>50</sub> value of 1.4 µg/mL. Pseudane IX reduces HCV RNA replication and viral protein synthesis levels<sup>[1][2]</sup>.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Tutik Sri Wahyuni, et al. Inhibition of hepatitis C virus replication by chalepin and pseudane IX isolated from *Ruta angustifolia* leaves. *Fitoterapia*. Volume 99, December 2014, Pages 276-283.

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

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