



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

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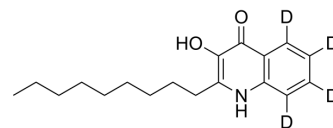
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2-Nonyl-3-hydroxy-4-quinolone-d₄

Cat. No.:	HY-124352S
Molecular Formula:	C ₁₈ H ₂₁ D ₄ NO ₂
Molecular Weight:	291.42
Target:	Isotope-Labeled Compounds; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2-Nonyl-3-hydroxy-4-quinolone-d₄ (C9-PQS-d₄) is deuterium labeled 2-Nonyl-3-hydroxy-4-quinolone. 2-nonyl-3-hydroxy-4-Quinolone (C9-PQS) is a quinolone compound produced by *P. aeruginosa* and other related bacterias. 2-nonyl-3-hydroxy-4-Quinolone is a quorum sensing (QS) signal molecule that controls the expression of many virulence genes as a function of cell population density^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Heeb S, et al. Quinolones: from antibiotics to autoinducers. *FEMS Microbiol Rev*. 2011 Mar;35(2):247-74.

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

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