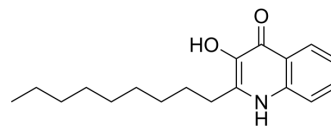


## 2-Nonyl-3-hydroxy-4-quinolone

Cat. No.:	HY-124352
CAS No.:	1259944-03-0
Molecular Formula:	C <sub>18</sub> H <sub>25</sub> NO <sub>2</sub>
Molecular Weight:	287.4
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



### BIOLOGICAL ACTIVITY

#### Description

2-nonyl-3-hydroxy-4-Quinolone (C9-PQS) is a quinolone compound produced by *P. aeruginosa* and other related bacteria. 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<sup>[1]</sup>.

### REFERENCES

[1]. 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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