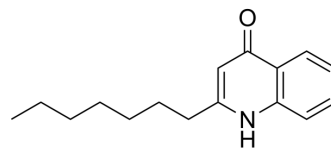


2-Heptyl-4-quinolone

Cat. No.:	HY-129503
CAS No.:	40522-46-1
Molecular Formula:	C ₁₆ H ₂₁ NO
Molecular Weight:	243.34
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2-Heptyl-4-quinolone is an intermediate in the synthesis of the *Pseudomonas* quinolone signal (PQS) that controls swarming by positively regulating phenazine production. 2-Heptyl-4-quinolone induces the production of the phenazine-1-carboxylic acid (PCA)^[1].

REFERENCES

[1]. Ha DG, et al. 2-Heptyl-4-quinolone, a precursor of the *Pseudomonas* quinolone signal molecule, modulates swarming motility in *Pseudomonas aeruginosa*. *J Bacteriol.* 2011 Dec;193(23):6770-80.

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

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