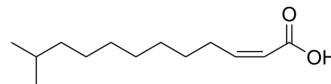


cis-11-Methyl-2-dodecenoic acid

Cat. No.:	HY-134215
CAS No.:	677354-23-3
Molecular Formula:	C ₁₃ H ₂₄ O ₂
Molecular Weight:	212.33
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

cis-11-Methyl-2-dodecenoic acid is a quorum sensing (QS) signal that acts as a diffusion signaling factor (DSF) in extracellular microbial and fungal communication systems. DSF is involved in the regulation of virulence and biofilm formation of a variety of bacterial pathogens^[1].

REFERENCES

[1]. Deng Y, et al. Structural and functional characterization of diffusible signal factor family quorum-sensing signals produced by members of the Burkholderia cepacia complex. Appl Environ Microbiol. 2010 Jul;76(14):4675-83.

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

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