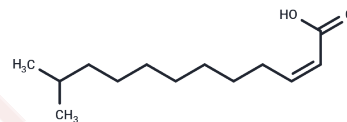


cis-11-Methyl-2-dodecenoic acid

Chemical Properties

CAS No. : 677354-23-3
 Formula: C₁₃H₂₄O₂
 Molecular Weight: 212.33
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cis-11-Methyl-2-dodecenoic acid functions as a quorum sensing (QS) signal and a diffusion signaling factor (DSF) within extracellular microbial and fungal communication systems. It plays a pivotal role in regulating virulence and biofilm formation among diverse bacterial pathogens [1].
Targets(IC50)	Others,Antibacterial,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7097 mL	23.5483 mL	47.0965 mL
5 mM	0.9419 mL	4.7097 mL	9.4193 mL
10 mM	0.471 mL	2.3548 mL	4.7097 mL
50 mM	0.0942 mL	0.471 mL	0.9419 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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