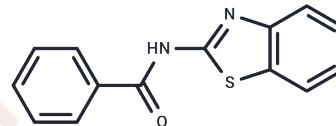


Quorum Sensing-IN-3

Chemical Properties

CAS No. :	5005-14-1
Formula:	C ₁₄ H ₁₀ N ₂ O ₂ S
Molecular Weight:	254.31
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	Quorum Sensing-IN-3 (QS-IN-1) is a compound with inhibitory effects on bacterial community sensing, which inhibits the exchange of information between bacteria and inhibits biofilm formation.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9322 mL	19.661 mL	39.3221 mL
5 mM	0.7864 mL	3.9322 mL	7.8644 mL
10 mM	0.3932 mL	1.9661 mL	3.9322 mL
50 mM	0.0786 mL	0.3932 mL	0.7864 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.

Reference

Sharma N, et al. Synthesis, in Silico Study and Biological Evaluation of N-(Benzothiazol/Thiazol-2-yl)benzamide Derivatives as Quorum Sensing Inhibitors against Pseudomonas aeruginosa. Chem Biodivers. 2023 Aug 21: e202300647.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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