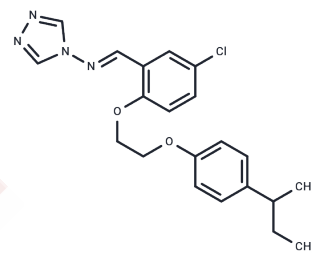


PqsR/LasR-IN-2

Chemical Properties

CAS No. :	2071705-93-4
Formula:	C ₂₁ H ₂₃ ClN ₄ O ₂
Molecular Weight:	398.89
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	PqsR/LasR-IN-2 is a dual PqsR and LasR inhibitor. It blocks Pseudomonas aeruginosa quorum sensing to suppress virulence factor production in antibiotic resistance research.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 80 mg/mL (200.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.507 mL	12.5348 mL	25.0696 mL
5 mM	0.5014 mL	2.507 mL	5.0139 mL
10 mM	0.2507 mL	1.2535 mL	2.507 mL
50 mM	0.0501 mL	0.2507 mL	0.5014 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

Mohammad Anwar Hossain, et al. Design, synthesis, and evaluation of compounds capable of reducing Pseudomonas aeruginosa virulence. Eur J Med Chem. 2020 Jan 1;185:111800.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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