

YXL-13

Chemical Properties

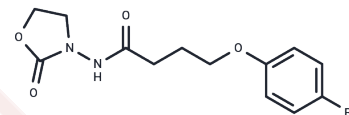
CAS No. : 2415981-79-0

Formula: C₁₃H₁₅BrN₂O₄

Molecular Weight: 343.17

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	YXL-13 is a highly effective inhibitor of <i>Pseudomonas aeruginosa</i> (PAO1), with an IC ₅₀ value of 3.686 μM. It effectively hinders the expression of virulence factors and inhibits biofilm formation in PAO1. Moreover, YXL-13 significantly diminishes both the pathogenicity and drug resistance of PAO1 by inhibiting the quorum sensing (QS) system. Thus, YXL-13 holds great potential for studying antibacterial properties [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.914 mL	14.570 mL	29.1401 mL
5 mM	0.5828 mL	2.914 mL	5.828 mL
10 mM	0.2914 mL	1.457 mL	2.914 mL
50 mM	0.0583 mL	0.2914 mL	0.5828 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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