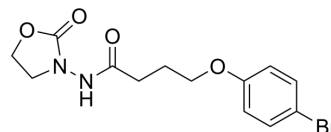


YXL-13

Cat. No.:	HY-146304
CAS No.:	2415981-79-0
Molecular Formula:	C ₁₃ H ₁₅ BrN ₂ O ₄
Molecular Weight:	343.17
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	YXL-13 is a potent <i>Pseudomonas aeruginosa</i> (PAO1) inhibitor with an IC ₅₀ value of 3.686 μM. YXL-13 can inhibit virulence factors and biofilm formation of PAO1. YXL-13 reduces the pathogenicity and agent resistance of PAO1 by inhibition of the quorum sensing (QS) system. YXL-13 can be used for researching anti-bacteria ^[1] .
IC ₅₀ & Target	IC ₅₀ : 3.686 μM (<i>Pseudomonas aeruginosa</i>) ^[1]

REFERENCES

[1]. Jiang K, Yan X, Yu J, et al. Design, synthesis, and biological evaluation of 3-amino-2-oxazolidinone derivatives as potent quorum-sensing inhibitors of *Pseudomonas aeruginosa* PAO1. *Eur J Med Chem.* 2020;194:112252.

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

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