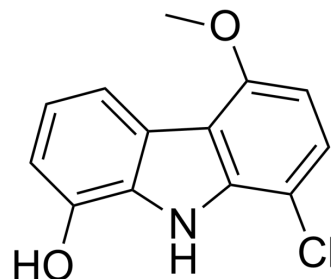


Quorum Sensing-IN-4

Cat. No.:	HY-N12660
Molecular Formula:	C ₁₃ H ₁₀ ClNO ₂
Molecular Weight:	247.68
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Quorum Sensing-IN-4 (compound 2) is a quorum sensing inhibitor, and can be isolated from Thailand mangrove-derived <i>Streptomyces</i> strain, OUCMDZ-5511 ^[1] .
In Vitro	Quorum Sensing-IN-4 (compound 2) (12.5, 25, 50 and 100 µg/mL; 24 h) inhibits the growth, violacein production and biofilm formation of against <i>C. violaceum</i> ATCC 12472 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liu Y, et al. Carbazole and Quinazolinone Derivatives from a Fluoride-Tolerant *Streptomyces* Strain OUCMDZ-5511. *J Agric Food Chem*. Published online March 12, 2024.

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

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