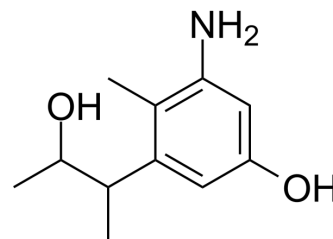


Halociline

Cat. No.:	HY-N12726
CAS No.:	2977255-36-8
Molecular Formula:	C ₁₁ H ₁₇ NO ₂
Molecular Weight:	195.26
Target:	p38 MAPK; MMP
Pathway:	MAPK/ERK Pathway; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Halociline, a derivative of alkaloids, that can be isolated from the marine fungus <i>Penicillium griseofulvum</i> . Halociline targets MAPK1, MMP-9, and PIK3CA in gastric cancer cells, potentially mediated by diverse pathways including cancer, lipid metabolism, atherosclerosis, and EGFR tyrosine kinase inhibitor resistance. Halociline possesses antimicrobial, antioxidant and biofilm inhibitory activities ^{[1][2]} .	
IC ₅₀ & Target	p38 MAP kinase	MMP-9

REFERENCES

- [1]. Mohamed M M Abdel Razeq, et al. A New Phenolic Alkaloid from *Halocnemum strobilaceum* Endophytes: Antimicrobial, Antioxidant and Biofilm Inhibitory Activities. *Chem Biodivers*. 2020 Oct;17(10):e2000496.
- [2]. Xiangru Zha, et al. Network pharmacology, molecular docking, and molecular dynamics simulation analysis reveal the molecular mechanism of halociline against gastric cancer. *Mol Divers*. 2024 Mar 19.

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

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