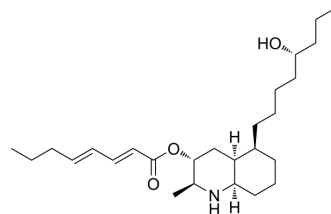


Lepadin H

| | |
|--------------------|---|
| Cat. No.: | HY-155852 |
| CAS No.: | 412328-25-7 |
| Molecular Formula: | C ₂₆ H ₄₅ NO ₃ |
| Molecular Weight: | 419.64 |
| Target: | Ferroptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Lepadin H is a marine alkaloid and ferroptosis inducer. Lepadin H exhibits significant cytotoxicity, promotes p53 expression, increases ROS production and lipid peroxidation, decreases SLC7A11 and GPX4 levels, and upregulates ACSL4 expression. Lepadin H induces ferroptosis through the p53-SLC7A11-GPX4 pathway^[1].

REFERENCES

[1]. Wang W, et al. Marine Alkaloid Lepadins E and H Induce Ferroptosis for Cancer Chemotherapy. *J Med Chem.* 2023 Aug 24;66(16):11201-11215.

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

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