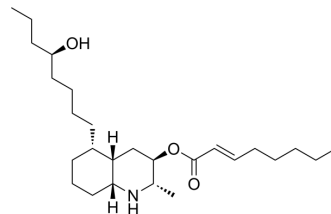


## Lepadin E

Cat. No.:	HY-155851
CAS No.:	444914-19-6
Molecular Formula:	C <sub>26</sub> H <sub>47</sub> NO <sub>3</sub>
Molecular Weight:	421.66
Target:	Ferroptosis; MDM-2/p53; Glutathione Peroxidase
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Lepadin E is a significantly cytotoxic ferroptosis inducer that induces iron death through the classical p53-SLC7A11-GPX4 pathway. Lepadin E promoted p53 expression, decreases SLC7A11 and GPX4 levels, and leads to increased ROS and lipid peroxide production, and upregulated ACSL4 expression, thus causes cell death. Lepadin E has significant antitumor effect [1].
In Vivo	Lepadin E MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### 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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