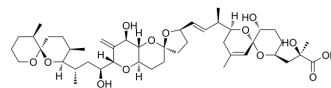


Dinophysistoxin 1

Cat. No.:	HY-126931
CAS No.:	81720-10-7
Molecular Formula:	C ₄₅ H ₇₀ O ₁₃
Molecular Weight:	819.03
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dinophysistoxin 1 (DTX 1, 35-methylokadaic acid) is a causative agent of diarrhetic shellfish poisoning. Dinophysistoxin 1 exerts tumor-promoting activity, serves as a skin irritant as well ^[1] .
In Vitro	Dinophysistoxin 1 inhibits the specific [³ H]okadaic acid binding to a particulate fraction of mouse epidermis ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Dinophysistoxin 1 (5 µg/mouse; application on the back; twice weekly for 30 weeks) increases the percentages of tumor-bearing mice in the groups treated with 100 µg 7,12-dimethylbenz[a]anthracene (DMBA) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Fujiki H, et al. Diarrhetic shellfish toxin, dinophysistoxin-1, is a potent tumor promoter on mouse skin. Jpn J Cancer Res. 1988 Oct;79(10):1089-93.

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

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