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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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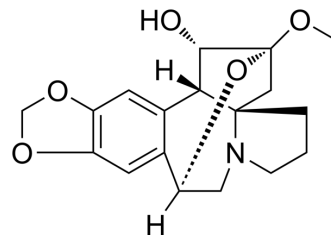
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Drupacine

Cat. No.:	HY-N3786
CAS No.:	49686-57-9
Molecular Formula:	C ₁₈ H ₂₁ NO ₅
Molecular Weight:	331.36
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Drupacine is a natural product, that can be isolated from <i>Cephalotaxus harringtonia</i> . Drupacine shows nematotoxicity and anticancer activity ^{[1][2]} .
In Vitro	Drupacine shows cytotoxic effect on HCT-116, with IC ₅₀ of 16.20 ± 3.44 μM ^[1] . Drupacine shows cytotoxic effect for <i>Bursaphelenchus xylophilus</i> with ED ₅₀ of 27.1 μg/mL, and for <i>Meloidogyne incognita</i> with ED ₅₀ of 76.3 μg/mL, respectively ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li Y, et al. Preparation of Stereo-Divergent Compounds from the Natural Product Drupacine Based on Complexity-to-Diversity Strategy. *Chem Biodivers.* 2023 Jun;20(6):e202300263.

[2]. Wen Y, et al. Nematotoxicity of drupacine and a *Cephalotaxus* alkaloid preparation against the plant-parasitic nematodes *Meloidogyne incognita* and *Bursaphelenchus xylophilus*. *Pest Manag Sci.* 2013 Sep;69(9):1026-33.

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

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