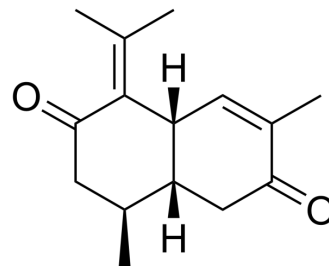


Euptox A

Cat. No.:	HY-N2802
CAS No.:	79491-71-7
Molecular Formula:	C ₁₅ H ₂₀ O ₂
Molecular Weight:	232.32
Target:	Apoptosis; Caspase; Parasite
Pathway:	Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Euptox A (9-Oxo-10, 11-dehydroageraphorone), a cadenine sesquiterpene, is the main toxin that can be isolated from <i>Eupatorium adenophorum</i> . Euptox A induces apoptosis by improving the gene expression level of apoptotic proteases such as caspase-10 in HeLa cells ^[1] .
In Vitro	<p>Euptox A (0-2 µg/mL, 48 h) effectively inhibits the proliferation of HeLa cells^[1].</p> <p>Euptox A (0-50 µg/mL, 24 h) arrests the cell cycle transition from S to G2/M phase^[1].</p> <p>Euptox A presents significantly antitumor activity against the human lung cancer A549, HeLa and Hep-2 cell lines in vitro in a dose-dependent manner^[1].</p> <p>Euptox A exhibits highly acaricidal activity for <i>S.scabiei</i> and <i>P. cuniculi</i> in vitro^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Liao F, et al. Induction and mechanism of HeLa cell apoptosis by 9-oxo-10, 11-dehydroageraphorone from *Eupatorium adenophorum*. *Oncol Rep.* 2015 Apr;33(4):1823-7.

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

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