



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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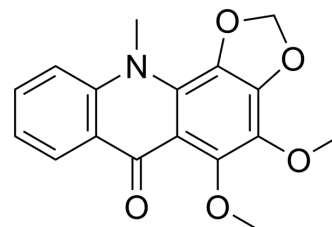
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Melicopine

Cat. No.:	HY-W437569
CAS No.:	568-01-4
Molecular Formula:	C ₁₇ H ₁₅ NO ₅
Molecular Weight:	313.3
Target:	Parasite; Insecticide
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Melicopine is an alkaloid found in *Z. simulans* with antimalarial and anticancer activities. It exhibits inhibitory activity against chloroquine-sensitive 3D7 and chloroquine-resistant Dd2 strains of *P. falciparum*, with IC₅₀ values of 29.7 and 33.7 µg/mL, respectively. Melicopine is cytotoxic to prostate cancer cells PC-3M and LNCaP (IC₅₀ values of 47.9 and 37.8 µg/mL), but has no effect on non-cancerous HEK293 cells (IC₅₀ greater than 100 µg/mL). Melicopine holds promise for research in anticancer and anti-infection fields^[1].

REFERENCES

[1]. Wang C, et al. Acridone alkaloids with cytotoxic and antimalarial activities from *Zanthoxylum simulans* Hance. *Pharmacogn Mag.* 2014 Jan;10(37):73-6.

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

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