



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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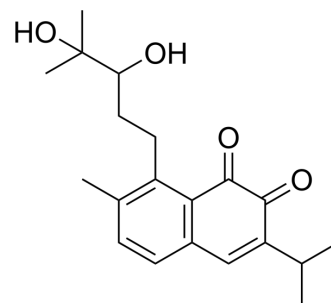
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Salvicine

Cat. No.:	HY-W715630
CAS No.:	240423-23-8
Molecular Formula:	C ₂₀ H ₂₆ O ₄
Molecular Weight:	330.42
Target:	Topoisomerase
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Salvicine is a DNA topoisomerase II inhibitor (IC ₅₀ =3 μM). Salvicine increases the interaction between DNA and Topo II by interacting with the ATPase domain, inhibiting DNA degradation and ATP hydrolysis. Salvicine has anticancer activities, including inhibiting Topo II, causing DNA damage, overcoming multidrug resistance, and inhibiting tumor cell adhesion ^{[1][2]} .
IC ₅₀ & Target	Topoisomerase II 3 μM (IC ₅₀)

REFERENCES

- [1]. Dey D, et al. Investigating the anticancer potential of salvicine as a modulator of topoisomerase II and ROS signaling cascade[J]. Frontiers in oncology, 2022, 12: 899009.
- [2]. Meng L, et al. Salvicine, a novel DNA topoisomerase II inhibitor, exerting its effects by trapping enzyme-DNA cleavage complexes[J]. Biochemical pharmacology, 2001, 62(6): 733-741.

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

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