



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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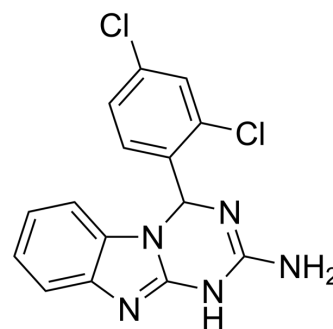
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Topoisomerase II inhibitor 14

Cat. No.:	HY-W278582
CAS No.:	305343-00-4
Molecular Formula:	C ₁₅ H ₁₁ Cl ₂ N ₅
Molecular Weight:	332.19
Target:	Topoisomerase; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (15.05 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0103 mL	15.0516 mL	30.1033 mL
	5 mM	0.6021 mL	3.0103 mL	6.0207 mL
	10 mM	0.3010 mL	1.5052 mL	3.0103 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Topoisomerase II inhibitor 14 (compound 2f) is a potent inhibitor of Topoisomerase II, with anticancer activity. Topoisomerase II inhibitor 14 induces apoptosis, and arrests cell cycle at S phase. Topoisomerase II inhibitor 14 exhibits antioxidant effect and decreases the level of GSH, MDA, and NO^[1].

In Vivo

Topoisomerase II inhibitor 14 (compound 2f)
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Al-Karmalawy AA, et al. Novel fused imidazotriazines acting as promising top. II inhibitors and apoptotic inducers with greater selectivity against head and neck tumors: Design, synthesis, and biological assessments. Eur J Med Chem. 2023 Nov 5;259:115661.

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

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