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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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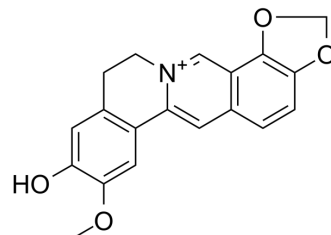
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Groenlandicine

Cat. No.:	HY-N6865
CAS No.:	38691-95-1
Molecular Formula:	C ₁₉ H ₁₆ NO ₄ ⁺
Molecular Weight:	322.33
Target:	Topoisomerase
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 1 mg/mL (3.10 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.1024 mL	15.5121 mL	31.0241 mL
	5 mM		---	---	---
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Groenlandicine is a protoberberine alkaloid isolated from *Coptidis Rhizoma*. Groenlandicine exhibits moderate inhibitory effect with IC₅₀ value of 154.2 μM for human recombinant aldose reductase (HRAR)^[1]. Groenlandicine selectively induces topoisomerase I-mediated DNA cleavage^[2].

IC₅₀ & Target

Topoisomerase I

CUSTOMER VALIDATION

- Molecules. 2024 May 14.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Jung HA, et al. Inhibitory activities of the alkaloids from Coptidis Rhizoma against aldose reductase. Arch Pharm Res. 2008 Nov;31(11):1405-12.

[2]. Kobayashi Y, et al. Inhibitors of DNA topoisomerase I and II isolated from the Coptis rhizomes. Planta Med. 1995 Oct;61(5):414-8.

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

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