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Produktinformation



Forschungsprodukte & Biochemikalien



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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

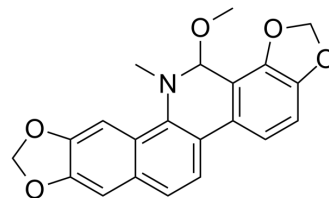
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

6-Methoxydihydrosanguinarine

Cat. No.:	HY-N3000
CAS No.:	72401-54-8
Molecular Formula:	C ₂₁ H ₁₇ NO ₅
Molecular Weight:	363.36
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (34.40 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.7521 mL	13.7605 mL	27.5209 mL	
		5 mM	0.5504 mL	2.7521 mL	5.5042 mL	
	10 mM	0.2752 mL	1.3760 mL	2.7521 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3.85 mg/mL (10.60 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	6-Methoxydihydrosanguinarine is an Ikaloid isolated from the fruits of <i>M.cordata</i> . 6-Methoxydihydrosanguinarine shows strong cytotoxicity against MCF-7 and SF-268 cell lines with IC ₅₀ values of 0.61 μM and 0.54 μM, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.61 μM (MCF-7 cells) IC ₅₀ : 0.54 μM (SF-268 cells) ^[1]

REFERENCES

[1]. Zou HL, et al. Alkaloids from *Macleaya cordata* and their cytotoxicity assay. *Zhongguo Zhong Yao Za Zhi*. 2015 Feb;40(3):458-62.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA