



SZABO SCANDIC

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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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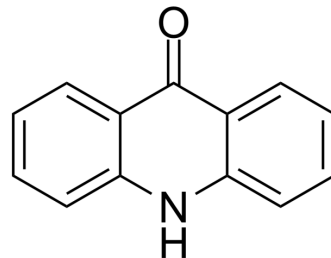
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Acridone

Cat. No.:	HY-W007771		
CAS No.:	578-95-0		
Molecular Formula:	C ₁₃ H ₉ NO		
Molecular Weight:	195.22		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (128.06 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.1224 mL	25.6121 mL	51.2243 mL
	5 mM	1.0245 mL	5.1224 mL	10.2449 mL
	10 mM	0.5122 mL	2.5612 mL	5.1224 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (12.81 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (12.81 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (12.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Acridone is an organic compound based on the acridine skeleton. Acridone has antibacterial, antimalarial, antiviral and anti neoplastic activities^[1].

REFERENCES

[1]. Licheng Xu, et al. Acridone suppresses the proliferation of human breast cancer cells in vitro via ATP-binding cassette subfamily G member 2. *Oncol Lett.* 2018 Feb; 15(2): 2651-2654.

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

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