



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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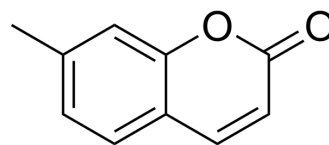
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7-Methylcoumarin

Cat. No.:	HY-N5092
CAS No.:	2445-83-2
Molecular Formula:	C ₁₀ H ₈ O ₂
Molecular Weight:	160.17
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 : 100 mg/mL (624.33 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.2433 mL	31.2164 mL	62.4329 mL
		5 mM		1.2487 mL	6.2433 mL	12.4866 mL
		10 mM		0.6243 mL	3.1216 mL	6.2433 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: ≥ 2.5 mg/mL (15.61 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.61 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	7-Methylcoumarin, a coumarin, exhibits strong hepatoprotective activity and potent antioxidant effect ^[1] .
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REFERENCES

[1]. Sancheti S, et, al. Ameliorative effects of 7-methylcoumarin and 7-methoxycoumarin against CCl₄-induced hepatotoxicity in rats. Drug Chem Toxicol. 2013 Jan;36(1):42-7.

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

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