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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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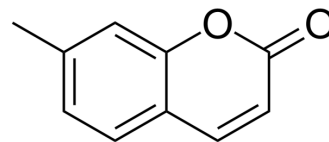
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7-Methylcoumarin

Cat. No.:	HY-N5092		
CAS No.:	2445-83-2		
Molecular Formula:	C ₁₀ H ₈ O ₂		
Molecular Weight:	160.17		
Target:	Others		
Pathway:	Others		
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 (624.34 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.2434 mL	31.2168 mL	62.4337 mL
	5 mM	1.2487 mL	6.2434 mL	12.4867 mL
	10 mM	0.6243 mL	3.1217 mL	6.2434 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 (15.61 mM); Clear solution
- 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].

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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