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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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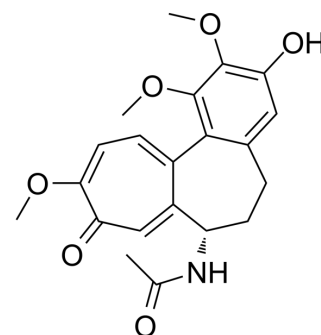
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3-Demethylcolchicine

Cat. No.:	HY-W021267
CAS No.:	7336-33-6
Molecular Formula:	C ₂₁ H ₂₃ NO ₆
Molecular Weight:	385.41
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (259.46 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.5946 mL	12.9732 mL	25.9464 mL
		5 mM	0.5189 mL	2.5946 mL	5.1893 mL
10 mM	0.2595 mL	1.2973 mL	2.5946 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 (6.49 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.49 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.49 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	3-Demethylcolchicine, a colchicine metabolite, possesses a hydroxy-group on its carbon ring that could participate in radical scavenging and markedly inhibits the carrageenin edema ^{[1][2]} .
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REFERENCES

[1]. Modriansky M, et al. Anti-/pro-oxidant effects of phenolic compounds in cells: are colchicine metabolites chain-breaking antioxidants?. Toxicology. 2002;177(1):105-117.

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

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