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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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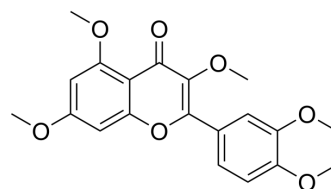
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3,5,7,3',4'-Pentamethoxyflavone

Cat. No.:	HY-N7690
CAS No.:	1247-97-8
Molecular Formula:	C ₂₀ H ₂₀ O ₇
Molecular Weight:	372.37
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (67.14 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6855 mL	13.4275 mL	26.8550 mL
		5 mM	0.5371 mL	2.6855 mL	5.3710 mL
		10 mM	0.2686 mL	1.3428 mL	2.6855 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 (6.71 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.71 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	3,5,7,3',4'-Pentamethoxyflavone is a polymethoxyflavonoid that can be extracted from <i>Kaempferia parviflora</i> . 3,5,7,3',4'-Pentamethoxyflavone can induce adipogenesis on 3T3-L1 preadipocytes by regulating transcription factors at an early stage of differentiation ^[1] .
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REFERENCES

[1]. Takumi Horikawa, et al. Polymethoxyflavonoids from *Kaempferia parviflora* induce adipogenesis on 3T3-L1 preadipocytes by regulating transcription factors at an early stage of differentiation. *Biol Pharm Bull.* 2012;35(5):686-92.

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

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