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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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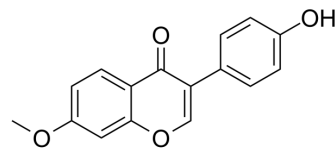
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Isoformononetin

Cat. No.:	HY-N7501
CAS No.:	486-63-5
Molecular Formula:	C ₁₆ H ₁₂ O ₄
Molecular Weight:	268.26
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 : 250 mg/mL (931.93 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.7277 mL	18.6386 mL	37.2773 mL
				5 mM	0.7455 mL	3.7277 mL	7.4555 mL
				10 mM	0.3728 mL	1.8639 mL	3.7277 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: ≥ 2.08 mg/mL (7.75 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.75 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Isoformononetin is an analog of Daidzein (HY-N0019) and has immunoprotective effects. Isoformononetin inhibits the differentiation of Th17 and B-cells lymphopoiesis to promote osteogenesis in estrogen-deficient bone loss conditions ^[1] .
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CUSTOMER VALIDATION

- J Nat Prod. 2023 Aug 25.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Mohd N Mansoori, et al. Methoxyisoflavones Formononetin and Isoformononetin Inhibit the Differentiation of Th17 Cells and B-cell Lymphopoiesis to Promote Osteogenesis in Estrogen-Deficient Bone Loss Conditions. Menopause

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

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