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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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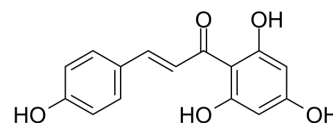
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Naringenin chalcone

Cat. No.:	HY-N3007
CAS No.:	73692-50-9
Molecular Formula:	C ₁₅ H ₁₂ O ₅
Molecular Weight:	272.25
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 : 50 mg/mL (183.65 mM; Need ultrasonic)
Methanol : ≥ 25 mg/mL (91.83 mM)
* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.6731 mL	18.3655 mL	36.7309 mL
	5 mM		0.7346 mL	3.6731 mL	7.3462 mL
	10 mM		0.3673 mL	1.8365 mL	3.6731 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: ≥ 2.08 mg/mL (7.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.64 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Naringenin chalcone is an intermediate in flavonol biosynthesis and is spontaneously metabolized into naringenin (NAR) by chalcone isomerase. Naringenin chalcone is an orally active anti-inflammatory and antiallergic agent^[1].

CUSTOMER VALIDATION

- Food Chem. 2022: 134807.
- bioRxiv. 2024 Oct 24:2024.10.24.620109.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Escribano-Ferrer E, et al. In Vivo Anti-inflammatory and Antiallergic Activity of Pure Naringenin, Naringenin Chalcone, and Quercetin in Mice. *J Nat Prod.* 2019 Feb 22;82(2):177-182.
- [2]. Iwamura C, Shinoda K, Yoshimura M, Watanabe Y, Obata A, Nakayama T. Naringenin chalcone suppresses allergic asthma by inhibiting the type-2 function of CD4 T cells. *Allergol Int.* 2010;59(1):67-73.
- [3]. Hirai S, Kim YI, Goto T, et al. Inhibitory effect of naringenin chalcone on inflammatory changes in the interaction between adipocytes and macrophages. *Life Sci.* 2007;81(16):1272-1279.
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Caution: Product has not been fully validated for medical applications. For research use only.

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