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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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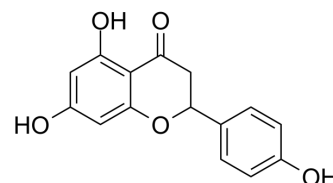
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(±)-Naringenin

Cat. No.:	HY-W011641		
CAS No.:	67604-48-2		
Molecular Formula:	C ₁₅ H ₁₂ O ₅		
Molecular Weight:	272.25		
Target:	Potassium Channel		
Pathway:	Membrane Transporter/Ion Channel		
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 : 120 mg/mL (440.77 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Concentration	Mass		
	1 mg	5 mg	10 mg
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: ≥ 3 mg/mL (11.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 3 mg/mL (11.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 3 mg/mL (11.02 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(±)-Naringenin is a naturally-occurring flavonoid. (±)-Naringenin displays vasorelaxant effect on endothelium-denuded vessels via the activation of BK_{Ca} channels in myocytes^[1].

CUSTOMER VALIDATION

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- J Ethnopharmacol. 2023 Jul 20;116941.
 - Foods. 2022, 11(23), 3755
 - Mol Med Rep. 2024 Feb;29(2):26.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Saponara S, et al. (+/-)-Naringenin as large conductance Ca(2+)-activated K+ (BKCa) channel opener in vascular smooth muscle cells. Br J Pharmacol. 2006 Dec;149(8):1013-21.

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

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