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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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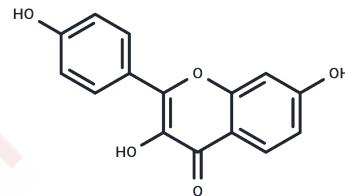
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3,7,4'-Trihydroxyflavone

Chemical Properties

CAS No. :	2034-65-3
Formula:	C ₁₅ H ₁₀ O ₅
Molecular Weight:	270.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	3,7,4'-Trihydroxyflavone(5-Deoxykempferol) is a DNA-breaking flavonoid isolated from rosewood heartwood. It inhibits osteoclast differentiation, actin ring formation, and bone resorption in RAW 264.7 cells and bone marrow macrophages induced by NF-κB ligand (RANKL) receptor activators.
Targets(IC50)	DNA

Solubility Information

Solubility	DMSO: 90 mg/mL (333.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7004 mL	18.5021 mL	37.0041 mL
5 mM	0.7401 mL	3.7004 mL	7.4008 mL
10 mM	0.370 mL	1.8502 mL	3.7004 mL
50 mM	0.074 mL	0.370 mL	0.7401 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Lin CN, et al. Flavonoids with DNA strand-scission activity from *Rhus javanica* var. *roxburghiana*. *Fitoterapia*. 2008 Jan;79(1):32-6. Epub 2007 Aug 9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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