



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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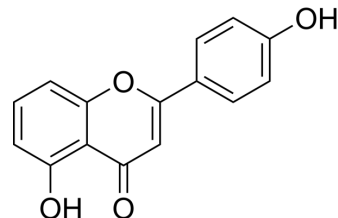
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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)



4',5-Dihydroxyflavone

Cat. No.:	HY-N1881		
CAS No.:	6665-67-4		
Molecular Formula:	C ₁₅ H ₁₀ O ₄		
Molecular Weight:	254.24		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 155 mg/mL (609.66 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.9333 mL	19.6665 mL	39.3329 mL
	5 mM		0.7867 mL	3.9333 mL	7.8666 mL
	10 mM		0.3933 mL	1.9666 mL	3.9333 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: ≥ 2.58 mg/mL (10.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.58 mg/mL (10.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4',5-Dihydroxyflavone is a soybean LOX-1 and yeast α -Glucosidase inhibitor, with an K_i of 102.6 μ M for soybean LOX-1 and an IC_{50} of 66 μ M for yeast α -glucosidase. LOX-1 is short for Lectin-like oxidized low-density lipoprotein receptor-1.

IC₅₀ & Target

K_i : 102.6 μ M (LOX-1)^[1].
 IC_{50} : 66 μ M (α -glucosidase)^[2].

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

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