



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

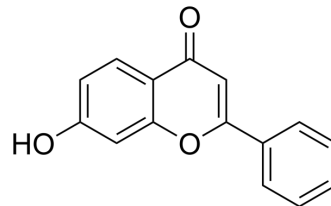
mail@szabo-scandic.com

www.szabo-scandic.com

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

7-Hydroxyflavone

Cat. No.:	HY-N7108		
CAS No.:	6665-86-7		
Molecular Formula:	C ₁₅ H ₁₀ O ₃		
Molecular Weight:	238.24		
Target:	ERK; Keap1-Nrf2		
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt; NF-κB		
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 : 125 mg/mL (524.68 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	4.1974 mL	20.9872 mL	41.9745 mL
	5 mM	0.8395 mL	4.1974 mL	8.3949 mL
	10 mM	0.4197 mL	2.0987 mL	4.1974 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (8.73 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (8.73 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.73 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	7-Hydroxyflavone is a flavonoid isolated from <i>Clerodendrum phlomidis</i> , with anti-inflammatory activity. 7-Hydroxyflavone protects renal cells from nicotine (NIC)-associated cytotoxicity via the ERK/Nrf2/HO-1 pathway ^{[1][2]} .
--------------------	--

REFERENCES

[1]. Sengupta B, et al. Differential roles of 3-Hydroxyflavone and 7-Hydroxyflavone against nicotine-induced oxidative stress in rat renal proximal tubule cells. PLoS One.

2017 Jun 22;12(6):e0179777.

[2]. Vinutha K, et al. Aqueous extract from *Madhuca indica* bark protects cells from oxidative stress caused by electron beam radiation: in vitro, in vivo and in silico approach. *Heliyon*. 2019 May 30;5(5):e01749.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA