



# 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

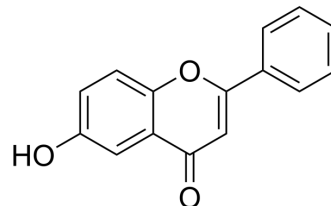
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## 6-Hydroxyflavone

Cat. No.:	HY-N7110
CAS No.:	6665-83-4
Molecular Formula:	C <sub>15</sub> H <sub>10</sub> O <sub>3</sub>
Molecular Weight:	238.24
Target:	Akt; ERK; JNK
Pathway:	PI3K/Akt/mTOR; MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (524.68 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	1. 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				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.73 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	6-Hydroxyflavone is a naturally occurring flavone, with anti-inflammatory activity. 6-Hydroxyflavone exhibits inhibitory effect towards bovine hemoglobin (BHb) glycation. 6-Hydroxyflavone can activate AKT, ERK 1/2, and JNK signaling pathways to effectively promote osteoblastic differentiation. 6-Hydroxyflavone inhibits the LPS-induced NO production <sup>[1] [2]</sup>
-------------	---

### REFERENCES

[1]. Das S, et al. Characterization of non-covalent binding of 6-hydroxyflavone and 5,7-dihydroxyflavone with bovine hemoglobin: Multi-spectroscopic and molecular docking analyses. J Photochem Photobiol B. 2018 Jan;178:40-52.

[2]. Lai CH, et al. Effects of 6-Hydroxyflavone on Osteoblast Differentiation in MC3T3-E1 Cells. Evid Based Complement Alternat Med. 2014;2014:924560.

---

[3]. Wang X, et al. 6-Hydroxyflavone and derivatives exhibit potent anti-inflammatory activity among mono-, di- and polyhydroxylated flavones in kidney mesangial cells. PLoS One. 2015 Mar 19;10(3):e0116409.

---

**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](mailto:tech@MedChemExpress.com)

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