



# 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

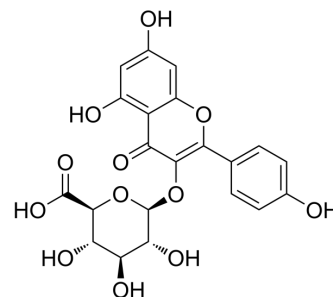
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## Kaempferol 3-O-β-D-glucuronide

Cat. No.:	HY-N7176
CAS No.:	22688-78-4
Molecular Formula:	C <sub>21</sub> H <sub>18</sub> O <sub>12</sub>
Molecular Weight:	462.36
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (216.28 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.1628 mL	10.8141 mL	21.6282 mL
		5 mM	0.4326 mL	2.1628 mL	4.3256 mL
	10 mM	0.2163 mL	1.0814 mL	2.1628 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: ≥ 2.5 mg/mL (5.41 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.41 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Kaempferol 3-O-β-D-glucuronide (Kaempferol-3-glucuronide), one conjugated kaempferol metabolite, has anti-inflammatory effect. Kaempferol 3-O-β-D-glucuronide significantly inhibits various pro-inflammatory mediators like IL-1β, NO, PGE2, and LTB4. Kaempferol 3-O-β-D-glucuronide upregulates the secretion of anti-inflammatory cytokine IL-10 <sup>[1][2]</sup> .	
IC <sub>50</sub> & Target	IL-1β	IL-10

### CUSTOMER VALIDATION

- Food Chem. 2022: 134807.

- 
- Food Chem. 16 December 2021, 131872.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

---

[1]. Khajuria V, et al. Kaempferol-3-o- $\beta$ -d-glucuronate exhibit potential anti-inflammatory effect in LPS stimulated RAW 264.7 cells and mice model. Int Immunopharmacol. 2018;57:62-71.

[2]. DuPont MS, et al. Absorption of kaempferol from endive, a source of kaempferol-3-glucuronide, in humans. Eur J Clin Nutr. 2004;58(6):947-954.

---

**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