



# 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

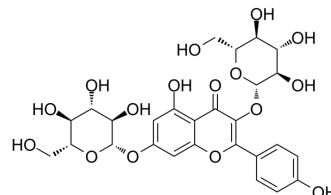
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## Kaempferol-3,7-di-O-β-glucoside

Cat. No.:	HY-N8161
CAS No.:	25615-14-9
Molecular Formula:	C <sub>27</sub> H <sub>30</sub> O <sub>16</sub>
Molecular Weight:	610.52
Target:	Glucosidase; AChE
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Kaempferol-3,7-di-O-β-glucoside (Kaempferol 3,7-diglucoside), a flavonol, possesses enzyme inhibition property towards α-amylase, α-glucosidase and Acetylcholinesterase. Kaempferol-3,7-di-O-β-glucoside protects differentiating neuronal cells, SH-SY5Y from Amyloid β peptide-induced injury. Kaempferol-3,7-di-O-β-glucoside has the potential for Alzheimer's research [1].
<b>In Vitro</b>	Kaempferol-3,7-di-O-β-glucoside (Kaempferol 3,7-diglucoside; 0.1, 100 μM) has effective inhibition in Aβ1-42 fibril formation. Kaempferol-3,7-di-O-β-glucoside has less neurotoxicity on the cultured SH-SY5Y cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Pavithra Mettupalayam Kaliyannan Sundaramoorthy, et al. Extraction, isolation and identification of kaempferol 3,7 – Diglucoside in the leaf extracts of *Evolvulus alsinoides* (Linn.) and its inhibition potency against α-amylase, α-glucosidase, Acetylcholinesterase and amyloid aggregation. ORIGINAL ARTICLE, 2020, Volume : 16.

**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