



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) 

PRODUCT INFORMATION

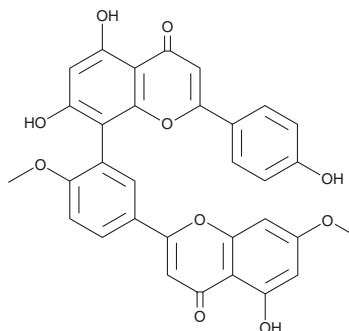


Ginkgetin

Item No. 25103

CAS Registry No.: 481-46-9
Formal Name: 5,7-dihydroxy-8-[5-(5-hydroxy-7-methoxy-4-oxo-4H-1-benzopyran-2-yl)-2-methoxyphenyl]-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one

MF: C₃₂H₂₂O₁₀
FW: 566.5
Purity: ≥98%
UV/Vis.: λ_{max}: 272, 331 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Ginkgetin is supplied as a crystalline solid. A stock solution may be made by dissolving the ginkgetin in the solvent of choice. Ginkgetin is soluble in the organic solvent DMSO, which should be purged with an inert gas, at a concentration of approximately 3 mg/ml.

Ginkgetin is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, ginkgetin should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Ginkgetin has a solubility of approximately 0.12 mg/ml in a 1:7 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Ginkgetin is a biflavonoid that has been isolated from *G. biloba* and has diverse biological activities, including pro-apoptotic, antiproliferative, anti-inflammatory, anti-atherosclerosis, and neuroprotective properties.¹⁻⁴ It inhibits the proliferation of OVCAR-3 ovarian and HeLa cervical cancer cells (EC₅₀s = 3 and 5.2 μg/ml, respectively) and induces apoptosis and caspase-3 cleavage in OVCAR-3 cells when used at a concentration of 3 μg/ml.¹ Topical ginkgetin (20 μg/ear) reduces ear edema and prostaglandin E₂ (PGE₂; Item No. 14010) levels in a mouse model of chronic skin inflammation induced by phorbol 12-myristate 13-acetate (PMA; Item No. 10008014).² It decreases the thickness of the intima-media and lipid plaque deposition in the thoracic aorta in a rat model of high-fat diet-induced atherosclerosis when administered at a dose of 100 mg/kg.³ Ginkgetin (0.8 mg/kg per day) improves sensorimotor coordination and increases the time spent on a rotating bar in a mouse model of Parkinson's disease induced by MPTP (Item No. 16377).⁴

References

1. Su, Y., Sun, C.M., Chuang, H.H., *et al.* Studies on the cytotoxic mechanisms of ginkgetin in a human ovarian adenocarcinoma cell line. *Naunyn Schmiedebergs Arch. Pharmacol.* **362(10)**, 82-90 (2000).
2. Lim, H., Son, K.H., Chang, H.W., *et al.* Effects of anti-inflammatory biflavonoid, ginkgetin, on chronic skin inflammation. *Biol. Pharm. Bull.* **29(5)**, 1046-1049 (2006).
3. Lian, N., Tong, J., Li, W., *et al.* Ginkgetin ameliorates experimental atherosclerosis in rats. *Biomed. Pharmacother.* **102**, 510-516 (2018).
4. Wang, Y.Q., Wang, M.Y., Fu, X.R., *et al.* Neuroprotective effects of ginkgetin against neuroinjury in Parkinson's disease model induced by MPTP via chelating iron. *Free Radic Res.* **49(9)**, 1069-1080 (2015).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 06/21/2018

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897

[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM

WWW.CAYMANCHEM.COM