



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 Handels GmbH

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)



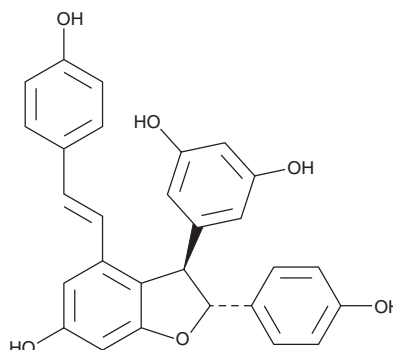
PRODUCT INFORMATION



trans- ϵ -Viniferin

Item No. 25737

CAS Registry No.: 62218-08-0
Formal Name: 5-[(2R,3R)-2,3-dihydro-6-hydroxy-2-(4-hydroxyphenyl)-4-[(1E)-2-(4-hydroxyphenyl)ethenyl]-3-benzofuranyl]-1,3-benzenediol
Synonym: (-)- ϵ -Viniferin
MF: C₂₈H₂₂O₆
FW: 454.5
Purity: $\geq 90\%$
UV/Vis.: λ_{max} : 226, 326 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥ 2 years
Item Origin: Plant/*Vitis amurens*



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

Laboratory Procedures

trans- ϵ -Viniferin is supplied as a solid. A stock solution may be made by dissolving the *trans*- ϵ -viniferin in the solvent of choice, which should be purged with an inert gas. *trans*- ϵ -Viniferin is soluble in the organic solvent DMSO.

Description

trans- ϵ -Viniferin is a stilbene polyphenol and dimer of *trans*-resveratrol (Item No. 70675) that has been found in various red wines and has diverse biological activities.¹⁻⁵ It induces disaggregation of aggregated amyloid- β (1-42) (A β 42; Item No. 20574) fibrils in a cell-free assay and decreases A β 42- and IL-1 β -induced release of TNF- α and IL-6 in primary mouse neuron and astrocyte cocultures.² *trans*- ϵ -Viniferin reduces cytotoxicity induced by truncated huntingtin (Htt) in PC12 cells (EC₅₀ = 30 nM).³ It also reduces production of reactive oxygen species (ROS), mitochondrial dysfunction, and PGC-1 α depletion and increases protein levels and deacetylase activity of sirtuin 3 (SIRT3) in cells expressing mutant Htt. *trans*- ϵ -Viniferin inhibits calcium-activated chloride channel currents in HT-29 cells (IC₅₀ = ~1 μ M).⁴ *In vivo*, *trans*- ϵ -viniferin (2 μ g per animal) reduces rotavirus-induced secretory diarrhea in mice without affecting the rotaviral infection. Dietary administration of *trans*- ϵ -viniferin reduces hepatic triglyceride accumulation and body weight increases in a mouse model of diet-induced obesity.⁵

References

1. Vitrac, X., Bornet, A., Vanderlinde, R., et al. *J. Agric. Food Chem.* **53**(14), 5664-5669 (2005).
2. Vion, E., Page, G., Bourdeaud, E., et al. *Mol. Cell Neurosci.* **88**, 1-6 (2018).
3. Fu, J., Jin, J., Cichewicz, R.H., et al. *J. Biol. Chem.* **287**(29), 24460-24472 (2012).
4. Yu, B., Jiang, Y., Zhang, B., et al. *Pharmacol. Res.* **129**, 453-461 (2018).
5. Ohara, K., Kusano, K., Kitao, S., et al. *Biochem. Biophys. Res. Commun.* **468**(4), 877-882 (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, 04/09/2020

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