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

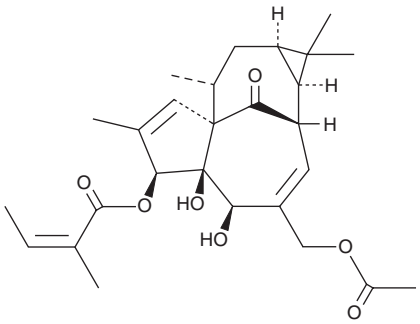
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

20-O-Acetylingenol-3-angelate

Item No. 39904

CAS Registry No.: 82425-35-2
Formal Name: (2Z)-2-methyl-2-butenoic acid, (1aR,2S,5R,5aS,6S,8aS,9R,10aR)-4-[(acetyloxy)methyl]-1a,2,5,5a,6,9,10,10a-octahydro-5,5a-dihydroxy-1,1,7,9-tetramethyl-11-oxo-1H-2,8a-methanocyclopenta[a]cyclopropa[e]cyclodecen-6-yl ester
Synonyms: AAI, 3-O-Angeloyl-20-O-acetyl Ingenol, PEP008
MF: $C_{27}H_{36}O_7$
FW: 472.6
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years
Item Origin: Plant/*Euphorbia pekinensis* Rupr.



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

Laboratory Procedures

20-O-Acetylingenol-3-angelate is supplied as a solid. A stock solution may be made by dissolving the 20-O-acetylingenol-3-angelatein the solvent of choice, which should be purged with an inert gas. 20-O-Acetylingenol-3-angelate is sparingly soluble (1-10 mg/ml) in chloroform and slightly soluble (0.1-1 mg/ml) in acetonitrile.

Description

20-O-Acetylingenol-3-angelate is a diterpene ester that has been found in *E. peplus* and a derivative of ingenol-3-angelate (Item No. 16207) that has anticancer activity.[1,2] It inhibits the growth of K562, HL-60, KT-1, MCF-7/adr, A549, and NIH3T3 cells when used at a concentration of 12.5 µM. 20-O-Acetylingenol-3-angelate (31.25-500 nM) induces cell cycle arrest at the G_2/M phase, apoptosis, and necrosis in K562 cells.

References

1. Mason, S.A., Cozzi, S.-J., Pierce, C.J., *et al.* The induction of senescence-like growth arrest by protein kinase C-activating diterpene esters in solid tumor cells. *Invest. New Drugs* **28(5)**, 575-586 (2010).
2. Liu, M., Chen, F., Yu, R., *et al.* Synthesis and cytotoxicity against K562 cells of 3-*O*-angeloyl-20-*O*-acetyl ingenol, a derivative of ingenol mebutate. *Int. J. Mol. Sci.* **17(8)**, 1348 (2016).

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, 05/16/2024

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