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Lieferung & Zahlungsart

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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) 

Forskolin

Adenylate cyclase activator
Catalog No. SIH-208



Discovery through partnership | Excellence through quality

Overview

Product Name

Forskolin

Description

Adenylate cyclase activator

Purity

>99%

CAS No.

66575-29-9

Molecular Formula

C₁₁H₁₈O₄

Molecular Weight

410.51

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Activator

Solubility

Soluble to 100 mM in DMSO, and to 10 mM in ethanol

Source

Synthetic

Appearance

White Solid

SMILES

CC(=O)O[C@H]1[C@H]([C@@H]2[C@]([C@H](CCC2(C)C)O)[C@@]3[C@@]1(O[C@@](CC3=O)(C)C=C)O)C)O

InChI

InChI=1S/C22H34O7/c1-8-19(5)11-14(25)22(27)20(6)13(24)9-10-18(3,4)16(20)15(26)17(28-12(2)23)21(22,7)29-19/h8,13,15-17,24,2

InChIKey

OHCQJHSOBTURHG-KGGHGJDLA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Hazard Phrases:

H312

Precautionary Phrases:

P280

Cite This Product

Forskolin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-208)

Biological Description

Alternative Names

(3R,4aR,5S,6S,6aS,10S,10aR,10bS)-6,10,10b-Trihydroxy-3,4a,7,7,10a-pentamethyl-1-oxo-3-vinyldodecahydro-1H-benzo[f]chromen-5-yl acetate

Research Areas

Cancer, Apoptosis

PubChem ID

47936

Scientific Background

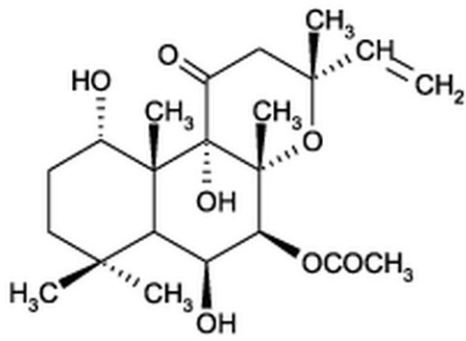
Forskolin resensitizes cell receptors by activating adenylyl cyclase, and increasing the intracellular levels of cAMP (1). Medically forskolin provides a route to inhibition of colon cancer cell growth and survival (2). It is also a vasodilator, may be helpful in controlling the cause of glaucoma (3), reduces urinary tract infections, and may help to increase the skins natural resistance to burning under UV light (1).

References

1. Passeron T., Namiki T., Passeron H.J., Le Pape E., and Hearing V.J. (2009) J Invest Dermatol. 129(1): 162-166.
 2. McEwan D.G., Brunton V.G., Baillie G.S., Leslie N.R., Houslay M.D., and Frame M.C. (2007) Cancer Research. 67(11).
 3. Pescosolido N., and Librando A. (2010) Clin Ter. 161(3): e81-5.
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Product Images

Chemical structure of Forskolin (SIH-208), a Adenylate cyclase activator. CAS #: 66575-29-9. Molecular Formula: C₂₂H₃₄O₇. Molecular Weight: 410.51 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.