SZABO SCANDIC

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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

24-Methylenecycloartanyl ferulate

Cat. No.: HY-N8122

CAS No.: 469-36-3

Molecular Formula: $C_{41}H_{60}O_4$

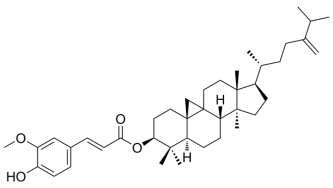
Molecular Weight: 617

Target: Akt

Pathway: PI3K/Akt/mTOR

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 12.5 mg/mL (20.26 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.6207 mL	8.1037 mL	16.2075 mL
5 mM	0.3241 mL	1.6207 mL	3.2415 mL
10 mM	0.1621 mL	0.8104 mL	1.6207 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1.25 mg/mL (2.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

24-Methylenecycloartanyl ferulate is a γ-oryzanol compound. 24-Methylenecycloartanyl ferulate promotes parvin-beta expression in human breast cancer cells. 24-Methylenecycloartanyl ferulate is a potential ATP-competitive Akt1 inhibitor (EC_{50}= 33.3μM)[1].

IC_{50} & Target

Akt1

33.3 μM (EC50)

REFERENCES

[1]. Heon Woong Kim, et al. 24-Methylenecycloartanyl ferulate, a major compound of γ-oryzanol, promotes parvin-beta expression through an interaction with peroxisome proliferator-activated receptor-gamma 2 in human breast cancer cells. Biochem Biophys Res Commun. 2015 Dec 25;468(4):574-9.

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