



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) 

Xanthohumol

Autophagy inhibitor
Catalog No. SIH-370



Discovery through partnership | Excellence through quality

Overview

Product Name

Xanthohumol

Description

Autophagy inhibitor

Purity

>98% (TLC); NMR (Conforms)

CAS No.

6754-58-1

Molecular Formula

C₁₁H₁₁O₁

Molecular Weight

354.4

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

May be dissolved in DMSO (35 mg/ml) or Ethanol (35 mg/ml)

Source

Synthetic

Appearance

Yellow solid

SMILES

CC(=CCC1=C(C(=C(C=C1O)OC)C(=O)/C=C/C2=CC=C(C=C2)O)O)C

InChi

InChi=1S/C21H22O5/c1-13(2)4-10-16-18(24)12-19(26-3)20(21(16)25)17(23)11-7-14-5-8-15(22)9-6-14/h4-9,11-12,22,24-25H,10H2,1-3H3/b

11-7+

InChIKey

ORXQGKIUCDPEAJ-YRNVUSSQSA-N

Safety Phrases

Classification: Toxic

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:

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

Precautionary Phrases:

P273 Avoid release to the environment.

P280 Wear protective gloves.

Cite This Product

Xanthohumol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-370)

Biological Description

Alternative Names

(2E)-1-[2,4-Dihydroxy-6-methoxy-3-(3-methyl-2-buten-1-yl)phenyl]-3-(4-hydroxyphenyl)-2-propen-1-one

Research Areas

Cancer, Autophagy

PubChem ID

639665

Scientific Background

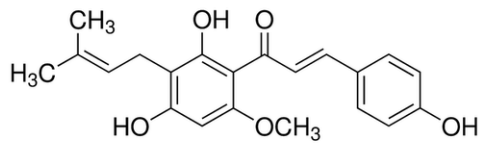
Xanthohumol is a valosin-containing protein (VCP) inhibitor which binds to the N-domain of VCP, suppressing function and impairing autophagosome maturation (1). It also inhibits growth of a wide variety of human cancer cell lines by inhibiting proliferation and inducing apoptosis (2).

References

1. Sasazawa Y., et al. (2012) ACS Chem Biol. 7(5): 892-900.
 2. Vene R., et al. (2012) Mol. Med. 18: 1292.
-

Product Images

Chemical structure of Xanthohumol (SIH-370), a Autophagy inhibitor. CAS #: 6754-58-1. Molecular Formula: C₂₁H₂₂O₅. Molecular Weight: 354.4 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.