Xanthohumol

DGAT inhibitor

Prenylated chalcone found in beer. Potent inhibitor of diacylglycerol acetyltransferase (DGAT). Inhibits DNA polymerase and induces cell differentiation. Has antiproliferative and cytotoxic effects in human cancer cell lines. Inhibits human P450 enzymes. Induces quinone reductase. Inhibits the expression of HIF-1α and VEGF under hypoxic conditions. Induces apoptosis in mature adipocytes.

Citations: 13 View Online »

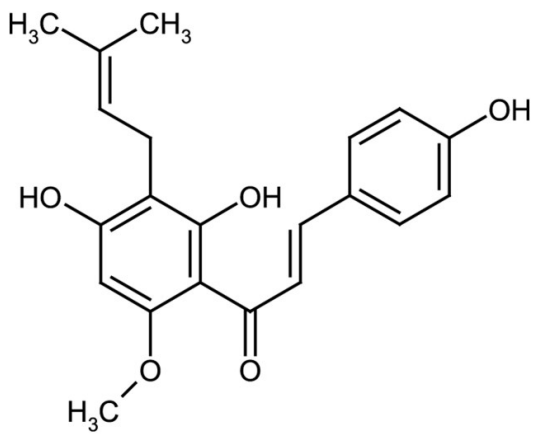
Ordering Information

Order Online »

ALX-350-280-M005	5mg

Manuals, SDS & CofA

View Online »


H3C
CH3
OH
HO
OH
O
O
H3C

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solution made in DMSO should not be stored for longer than one month. Working solution is stable for 24 hours at 37°C and up to one week when stored at +4°C. Unstable in acidic (pH 7.5) systems.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Yellow to orange powder.
CAS	569-83-5, 6754-58-1
Couple Target	Cytochrome P450, DGAT, DNA polymerase
Couple Type	Inhibitor
Formula	$C_{21}H_{22}O_5$
Identity	Identity determined by NMR.
MW	354.4
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (25mg/ml), methanol (10mg/ml) or 100% ethanol; soluble in aqueous buffers up to 20µM.
Source	Isolated from hops (*Humulus lupulus*).

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.