(-)-Arctigenin

Antitumor agent

Lignan derivative, which shows antitumor, anti-inflammatory, immunomodulatory and neuroprotective activities. Down-regulates anti-apoptotic protein Bcl-X_L. Potent inhibitor of HIV type-I integrase and DNA topoisomerase II. Shows phytoestrogenic and cytotoxic properties against Hep62 cells. Antagonist for platelet activating factor and Ca^{2+}. Blocks the activation of Akt (protein kinase B; PKB) induced by glucose starvation.

Citations: 9 View Online »

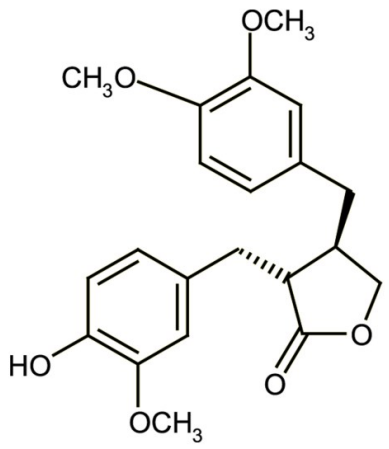
Ordering Information

Order Online »

ALX-350-312-M025	25mg

Manuals, SDS & CofA

View Online »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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(3R,4R)-4-[(3,4-Dimethoxyphenyl)methyl]dihydro-3-[(4-hydroxy-3-methoxyphenyl)methyl]-2-(3H)-furanone
Appearance	Colorless crystals.
CAS	7770-78-7
Couple Target	HIV, Topoisomerase
Couple Type	Inhibitor
Formula	$C_{21}H_{24}O_6$
Identity	Determined by NMR and MS.
MW	372.4
Purity	≥97% (HPLC)
Solubility	Soluble in DMSO (34mg/ml, heating, sonication); sparingly soluble in water.
Source	Isolated from *Arctium lappa*.

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