Betulinic acid (high purity)

Antitumor and anti-HIV agent

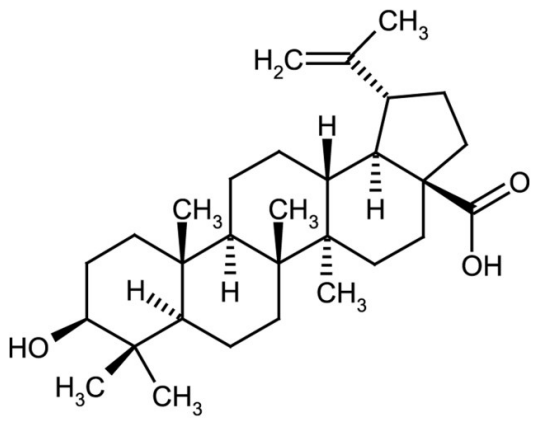
Antitumor and anti-HIV agent. Induces apoptosis by activating mitochondrial permeability transition (MPT). Inhibits NF-κB activation and NF-κB-regulated gene expression induced by carcinogens and inflammatory stimuli. Decreases expression of Bcl-2 and cyclin D1. Potent proteasome activator. Triggers CD95- and p53-independent apoptosis via activation of caspases. It induces mitochondrial permeability pore opening and the release of cytochrome c and apoptosis-inducing factor. Displays anti-HIV activity. EC_{50} for inhibion of HIV-1 replicaton in H9 lymphocytes: 1.4µM.

Citations: 22 View Online »

Ordering Information Order Online »

ALX-350-277-M025	25mg

Manuals, SDS & CofA View Online »


CH3
H2C
H
O
CH3
CH3
H
OH
H
H
CH3
HO
H3C
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Keep cool and dry.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	3β-Hydroxy-20(29)-lupaene-28-oic acid
Appearance	White to off-white powder.
CAS	472-15-1
Formula	$C_{30}H_{48}O_3$
MW	456.7
Purity	≥97% (HPLC)
Solubility	Soluble in DMSO.
Source	Isolated from *Platanus acerifolia* (plane) tree bark.

Last modified: May 29, 2024

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