Caffeic acid phenylethyl ester

HIV-1 integrase inhibitor

Active component of propolis from honeybee hives, known to have anti-mitogenic, anti-carcinogenic, anti-inflammatory, and immunomodulatory properties. Potent and specific inhibitor of NF-κB activation, induced by TNF-α (Prod. No. ALX-522-008 (human) or Prod. No. ALX-522-009 (mouse)), PMA (Prod. No. BML-PE160) and other inflammatory agents. Exhibits inhibitory activity against HIV-1 integrase (IC_{50}=7μM). Suppresses lipid peroxidation and inhibits ornithine decarboxylase, protein tyrosine kinase and lipoxygenase activities. Induces apoptosis.

Citations: 10 View Online »

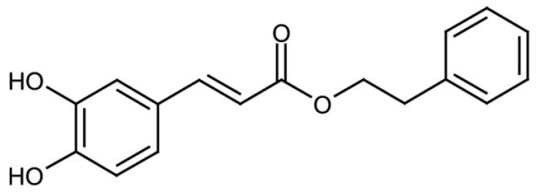
Ordering Information

Order Online »

ALX-270-244-M010	10mg
ALX-270-244-M050	50mg

Manuals, SDS & CofA

View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least one year after receipt when stored at -20°C.
Handling	Protect from light and moisture.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CAPE, Phenethyl caffeiate, Caffeic acid phenethyl ester
Appearance	White to off-white crystalline solid.
CAS	104594-70-9
Couple Target	HIV
Couple Type	Inhibitor
Formula	$C_{17}H_{16}O_4$
MW	284.3
Purity	≥97% (HPLC)
Solubility	10mg/ml soluble in DMSO, 100% ethanol, methanol, acetone or acetonitrile; insoluble in water.
Source	Synthetic.

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