Pterostilbene

CYP1A1 inhibitor

Cell permeable natural methoxylated analog of resveratrol (Prod. No. BML-FR104). Antioxidant, antiproliferative, anti-inflammatory, anti-hyperglycemic and anti-diabetic agent. Induces apoptosis. Induces Autophagy. Very potent inhibitor of cytochrome P450 1A1 (CYP1A1) with K_i=0.57μM.Inhibits activator protein 1 (AP-1) and NF-κB activation. Moderately inhibits COX-1 and COX-2 (IC_{50}=19.8μM and 83.9μM).

Citations: 22 View Online »

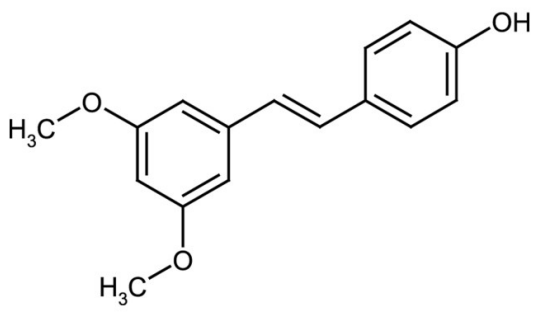
Ordering Information

Order Online »

ALX-385-034-M100	100mg

Manuals, SDS & CofA

View Online »

OH O H3C O H3C	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light and oxygen.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	trans-3,5-Dimethoxy-4'-hydroxystilbene
Appearance	Off-white to light brown powder.
CAS	537-42-8
Couple Target	COX, Jun
Couple Type	Inhibitor
Formula	$C_{16}H_{16}O_3$
Identity	Identity determined by MS and 1H-NMR.
MW	256.3
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (20mg/ml) or methanol; insoluble in water.
Source	Synthetic.

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