Piceatannol
Catalog Number P009-5MG
Catalog Number P009-25MG

FEATURES
- Activator of SIRT1
- Inhibits NF-κB activation
- Induces apoptosis

INTRODUCTION
Activator of human deacetylase SIRT1. Anti-inflammatory, immunomodulatory and antiproliferative agent that inhibits p56lck and syk protein tyrosine kinases and inhibits TNF-induced NF-κB activation and gene expression. Piceatannol is a resveratrol analog formed by the cytochrome P450-catalyzed hydroxylation of resveratrol. Piceatannol exhibits potent anticancer properties by inducing apoptosis in BJAB Burkitt-like lymphoma cells with an ED_{50} value of 25 µM. Piceatannol also exhibits anti-proliferative and anti-inflammatory effects by inhibiting the activity of a wide range of tyrosine and serine/threonine protein kinases and suppressing NF-κB activation through inhibition of IκBα kinase.

FORM: Light pale pink powder

MOLECULAR WEIGHT: 244.25

STORAGE: 4°C

FORMULA: C_{14}H_{12}O_{4}

CAS NUMBER: 10083-24-6

OTHER NAMES: 4-[(1E)-2-(3,5-Dihydroxyphenyl)ethenyl]-1,2-benzenediol; 3,4,3′,5′-Tetrahydroxy-trans-stilbene; Astringenin

USES: Soluble to 10 mg/mL in DMSO or ethanol

REFERENCES:
