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DATASHEET

Piceatannol

Product overview

Name	Piceatannol
Cat No	HB0505
Biological action	Inhibitor
Purity	>98%
Description	Syk tyrosine kinase / JAK-1 inhibitor

Images

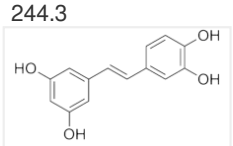
Biological Data

Biological description	Syk tyrosine kinase inhibitor (IC_{50} = 1.53 µM). Also JAK-1 inhibitor. Analog of resveratrol. Shows many biological actions such as growth-inhibitory, anti-oxidant, anti-inflammatory, cardiovascular and pro-apoptotic effects.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (10mg/ml) or DMF
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3,5,3',4'-Tetrahydroxystilbene
Molecular Weight	244.3
Chemical structure	
Molecular Formula	$C_{14}H_{12}O_4$
CAS Number	10083-24-6
PubChem identifier	667639
SMILES	C1=CC(=C(C=C1C=CC2=CC(=CC(=C2)O)O)O)O

InChiKey	CDRPUGZCRXZLFL-OWOJBTEDSA-N

References

Biological activity of piceatannol: leaving the shadow of resveratrol.

Piotrowska H *et al* (2012) Mutat Res 750(1)
PubMedID 22108298

Piceatannol, a derivative of resveratrol, moderately slows I(Na) inactivation and exerts antiarrhythmic action in ischaemia-reperfused rat hearts.

Chen WP *et al* (2009) Br J Pharmacol 157(3)
PubMedID 19371352

Piceatannol inhibits melanogenesis by its antioxidative actions.

Yokozawa T *et al* (2007) Biol Pharm Bull 30(11)
PubMedID 17978467