

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Piceatannol

Product overview

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

Images



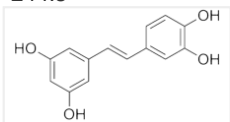
Biological Data

Biological description	Syk tyrosine kinase inhibitor ($IC_{50} = 1.53 \mu M$). Also JAK-1 inhibitor. Analog of resveratrol. Shows many biological actions such as growth-inhibitory, anti-oxidant, anti-inflammatory, cardiovascular and pro-apoptotic effects.
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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	<chem>C1=CC(=C(C=C1C=CC2=CC(=CC(=C2)O)O)O)O</chem>

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](#)
