

Product Name	: Resveratrol
Synonyms	: —
Cat No.	: M22056
CAS Number	: 38963-95-0
Molecular Formula	: C ₂₀ H ₂₂ O ₈
Formula Weight	: 390.38
Chemical Name	: —
Description	<p>Resveratrol has cardioprotective effect, it exhibits α-glucosidase inhibitory activity, it also can inhibit hydroxylation of testosterone by CYP3A4. To discuss if the invasive variety is chemically identical to the native one in traditional medicine, the different constituents of the invasive variety compared to the native variety were isolated and their anti-inflammatory activity was tested. Resveratrol and catechin-(4α,8)-catechin, the newly found constituents in the invasive variety, have similar nitric oxide (NO) inhibition potency as that of piceid (the major constituent of <i>P. cuspidatum</i>), but the newly found major constituent, i.e., piceatannol glucoside, showed no apparent effect. On the other hand, as a marker, the total content of resveratrol in the methanol root extract after glucosidase hydrolysis was measured and compared between the invasive and native varieties.</p>
Pathway	: Immunology/Inflammation
Target	: NOS
Receptor	: NO Synthase;P450
Solubility	: —
SMILES	: <chem>Oc1c(O)c2c(c1)cc(O)c3cc(O)c(O)c3c2</chem>
Storage	: (-20℃)
Stability	: ≥ 2 years
Reference	:

1. Anti-inflammatory Activity of the Invasive Neophyte *Polygonum Cuspidatum* Sieb. and Zucc. (Polygonaceae) and the Chemical Comparison of the Invasive and Native Varieties with regard to Resveratrol. *J Tradit Complement Med.* 2013 Jul;3(3):182-7.