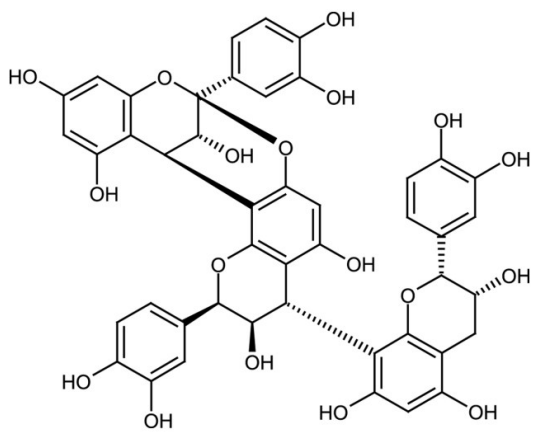
Cinnamtannin B-1

Potent antioxidant

A-type proanthocyanidin contained in several plant species such as *Laurus nobilis L. , Vaccinium vitis-idaea, Parameria laevigata, Cinnamomum zeylanicum, Lindera umbellata, Metaxya rostrata*. Potent antioxidant, TEAC method (nM Trolox) = 0.95. Protective agent against oxidative stress and apoptosis in human platelets.
Inhibitory activity against cyclooxygenase-2 (COX-2) *in vitro.*
DPPH radical scavenging IC_{50} 6.14µM
Lipid peroxidation inhibition 159.74
Nitric oxide inhibition 10.28
Antibacterial against *B.subtilis* (9mm, 20mg/ml)

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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light. Keep under inert gas.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Epicatechin-(4β→8,2β→O→7)-epicatechin-(4α→8)-epicatechin
Appearance	Brown solid.
CAS	88082-60-4
Couple Target	COX
Couple Type	Inhibitor
Formula	$C_{45}H_{36}O_{18}$
Identity	Determined by 1H-NMR.
MW	864.7
Purity	≥95% (HPLC)
Solubility	Soluble in 100% ethanol, methanol or in a mixture of DMSO and water.
Source	Isolated from *Laurus nobilis* L.

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