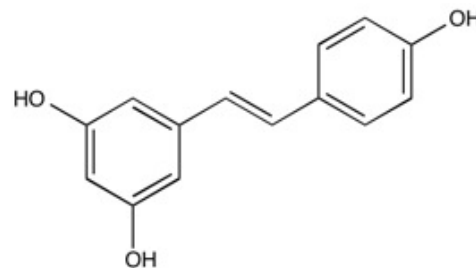


Resveratrol, Antioxidant; SIRT1 activator

| Catalog | Unit |
|-----------------|--------|
| TBI1057 - 100MG | 100 mg |
| TBI1057 - 500MG | 500 mg |

Product Details

Formal Name: 3,4',5-Trihydroxy-trans-stilbene
Alternate Names: 5-[(1E)-2-(4-Hydroxyphenyl)ethenyl]-1,3,benzenediol
Molecular Formula: C₁₄H₁₂O₃
Formula Weight: 228.25
CAS Number: 501-36-0
Purity: >99%
Formulation: powder
Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml).
Storage: -20°C
Stability: ≥ 2 years.



Applications

Antioxidant; SIRT1 activator

Functions

Naturally occurring phenolic antioxidant. Displays antitumor and antiplatelet effects. Activates SIRT1 and increases longevity in yeast. Ameliorates ageing-related phenotypes by inhibition of cAMP phosphodiesterases. Stimulates increased expression of transthyretin which binds Aβ peptide and prevents its aggregation and toxicity. Attenuates Aβ-induced neurotoxicity by induction of autophagy. Rescues SIRT1-dependent adult stem cell decline.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.