

DATA SHEET

Product Name: Resveratrol

Catalog #: N-3019

Alt: 3,4',5-Trihydroxy-*trans*-stilbene; 5-[(1*E*)-2-(4-Hydroxyphenyl)ethenyl]-1,3,benzenediol

Molecular Mass: 228.2 C₁₄H₁₂O₃

Analysis: >98% (TLC); NMR (conforms)

Supplied As: Off-white powder

Resuspension: May be dissolved in DMSO (25 mg/ml); or ethanol (20 mg /ml)

Storage: Store desiccated as supplied at 4°C for up to 2 years. Store solutions at -20°C for up to 1 month.

Description: Naturally occurring phenolic antioxidant. Displays antitumor and antiplatelet effects¹. Activates SIRT1 and increases longevity in yeast². Ameliorates ageing-related phenotypes by inhibition of cAMP phosphodiesterases³. Stimulates increased expression of transthyretin which binds A β peptide and prevents its aggregation and toxicity⁴. Attenuates A β -induced neurotoxicity by induction of autophagy⁵.

References:

1. Fremont, L., (2000) Life Sci., 66: 663
2. Howitz, K.T., et al., (2003) Nature, 425: 191
3. Park, S.J., et al., (2012) Cell, 148: 421
4. Santos, L.M., et al., (2016) Mol. Med., 22: 597
5. Deng, H., and Mi, M.T., (2016) Neurochem. Res., 41: 2367

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