Purdue Bioscience

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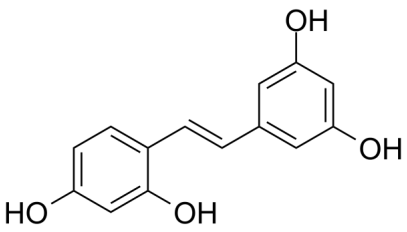
Certificate of Analysis

Catalog Number	BP12612
Product Name	Oxyresveratrol

Physical and Chemical Properties

Synonyms	Tetrahydroxystilbene, 2,3',4,5'-tetrahydroxystilbene, trans-Oxyresveratrol
CAS No.	29700-22-9
Chemical Formula	C14H12O4
Molecular Weight	244.246
Solubility	DMSO: 34 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

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Description	Oxyresveratro can inhibit tyrosinase activity. Oxyresveratro is useful to trauma models, as toxicity to glia could be beneficial by inhibiting reactive gliosis. Oxyresveratrol has antioxidant activity, can reduce neuronal oxidative damage and protect hepatocytes against oxidative stress and mitochondrial dysfunction, which may be associated with activation of Nrf2.
Targets&IC50	DPPH:28.9 μM

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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v2 Revision on 12/28/2022

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