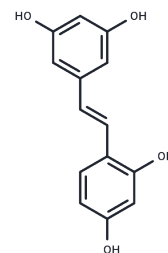


Oxyresveratrol

Chemical Properties

CAS No. :	29700-22-9
Formula:	C ₁₄ H ₁₂ O ₄
Molecular Weight:	244.24
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1. Oxyresveratrol can inhibit tyrosinase activity. 2. Oxyresveratrol is useful to trauma models, as toxicity to glia could be beneficial by inhibiting reactive gliosis. 3. Oxyresveratrol (trans-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)	Autophagy,HSV,Tyrosinase

Solubility Information

Solubility	DMSO: 54.44 mg/mL (222.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.19 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0943 mL	20.4717 mL	40.9433 mL
5 mM	0.8189 mL	4.0943 mL	8.1887 mL
10 mM	0.4094 mL	2.0472 mL	4.0943 mL
50 mM	0.0819 mL	0.4094 mL	0.8189 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chao J , Yu M S , Ho Y S , et al. Dietary oxyresveratrol prevents parkinsonian mimetic 6-hydroxydopamine neurotoxicity[J]. Free Radical Biology and Medicine, 2008, 45(7):1019-1026.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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