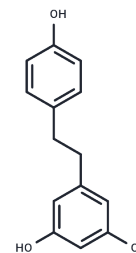


Dihydroresveratrol

Chemical Properties

CAS No. :	58436-28-5
Formula:	C ₁₄ H ₁₄ O ₃
Molecular Weight:	230.26
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dihydroresveratrol (3,4',5-Trihydroxybibenzyl) is a major metabolite of resveratrol that is produced by animal-associated bacteria, including the gut microbiota. Dihydroresveratrol and dihydroresveratrol monosulfate are detectable in urine. The physiological effects of dihydroresveratrol have not been investigated.
Targets(IC50)	Estrogen Receptor/ERR

Solubility Information

Solubility	DMSO: 250 mg/mL (1085.73 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 (8.69 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	4.3429 mL	21.7146 mL	43.4292 mL
5 mM	0.8686 mL	4.3429 mL	8.6858 mL
10 mM	0.4343 mL	2.1715 mL	4.3429 mL
50 mM	0.0869 mL	0.4343 mL	0.8686 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

- Jung, C.M.,Heinze, T.M.,Schnackenberg, L.K., et al.Interaction of dietary resveratrol with animal-associated bacteria. FEMS Microbiology Letters. 2009, 297(2),266-273.
- Bode, L.M.,Bunzel, B.,Huch, M., et al. In vivo and in vitro metabolism of trans-resveratrol by human gut microbiota. American Journal of Clinical Nutrition. 2013,97(2), 295-309.
- Wang, D.,Hang, T.,Wu, C., et al. Identification of the major metabolites of resveratrol in rat urine by HPLC-MS/MS. Journal of Chromatography.B, Analytical Technologies in the Biomedical and Life Sciences. 2005, 829(1-2), 97-106.

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