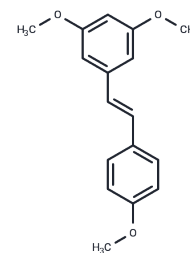


trans-Trimethoxyresveratrol

Chemical Properties

CAS No. :	22255-22-7
Formula:	C ₁₇ H ₁₈ O ₃
Molecular Weight:	270.32
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	trans-Trimethoxyresveratrol (MR-3), a natural methoxylated analog of resveratrol, inhibits breast Y cell invasiveness by downregulation of PI3K/Akt and Wnt/ β -catenin signaling cascades and reversal of epithelial-mesenchymal transition.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, Caspase, ROS

Solubility Information

Solubility	DMSO: 50 mg/mL (184.97 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 (7.4 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	3.6993 mL	18.4966 mL	36.9932 mL
5 mM	0.7399 mL	3.6993 mL	7.3986 mL
10 mM	0.3699 mL	1.8497 mL	3.6993 mL
50 mM	0.074 mL	0.3699 mL	0.7399 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

Tsai JH et al. Toxicol Appl Pharmacol. 2013 Nov 1;272(3):746-56

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