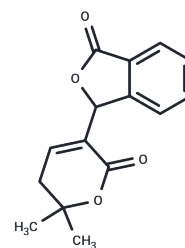


Catalpalactone

Chemical Properties

CAS No. :	1585-68-8
Formula:	C ₁₅ H ₁₄ O ₄
Molecular Weight:	258.27
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	Catalpalactone exhibits high antitermitic, and cytotoxic activities, it exhibits potent inhibitory effects on lipopolysaccharide-induced NO synthesis in RAW 264.7 cells, with IC ₅₀ values of 9.80 microM. Catalpalactone can inhibit dopamine biosynthesis by reducing tyrosine hydroxylase (TH) and aromatic-L-amino acid decarboxylase (AADC) activities and enhance L-DOPA- induced cytotoxicity in PC12 cells. Catalpalactone also exhibits significant inhibitory activity against 12-O-tetradecanoylphorbol 13-acetate (TPA)-induced Epstein-Barr virus early antigen (EBV-EA) activation in Raji cells.
Targets(IC ₅₀)	cAMP,NF-κB

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8719 mL	19.3596 mL	38.7192 mL
5 mM	0.7744 mL	3.8719 mL	7.7438 mL
10 mM	0.3872 mL	1.936 mL	3.8719 mL
50 mM	0.0774 mL	0.3872 mL	0.7744 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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