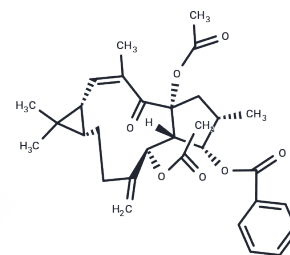


5,15-Diacetyl-3-benzoyllathyrol

Chemical Properties

CAS No. :	218916-52-0
Formula:	C ₃₁ H ₃₈ O ₇
Molecular Weight:	522.63
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1. 5,15-Diacetyl-3-benzoyllathyrol (Euphorbia factor L3) is a melanine production inhibitor, excellent in inhibiting pigment stagnation and improving the discoloration of the skin or freckles, has excellent stability.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 45 mg/mL (86.1 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (3.83 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	1.9134 mL	9.567 mL	19.134 mL
5 mM	0.3827 mL	1.9134 mL	3.8268 mL
10 mM	0.1913 mL	0.9567 mL	1.9134 mL
50 mM	0.0383 mL	0.1913 mL	0.3827 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

Zhang JY, et al. Structure identification of Euphorbia factor L3 and its induction of apoptosis through the mitochondrial pathway. *Molecules*. 2011 Apr 15;16(4):3222-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481