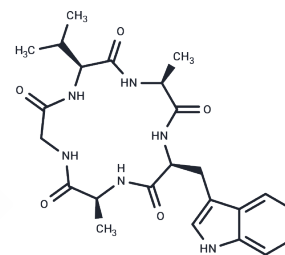


Segetalin B

Chemical Properties

CAS No. :	164991-89-3
Formula:	C ₂₄ H ₃₂ N ₆ O ₅
Molecular Weight:	484.55
Storage:	Keep away from moisture 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	Segetalin B is a natural product from <i>Vaccaria segetalis</i> (Neck.) Garcke, has estrogen-like activity.
Targets(IC50)	Estrogen Receptor/ERR,Sirtuin

Solubility Information

Solubility	DMSO: 10 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 (4.13 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	2.0638 mL	10.3189 mL	20.6377 mL
5 mM	0.4128 mL	2.0638 mL	4.1275 mL
10 mM	0.2064 mL	1.0319 mL	2.0638 mL
50 mM	0.0413 mL	0.2064 mL	0.4128 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

Dong H J , Li J , Guo Y H , et al. HPLC simultaneous determination of segetalin A and segetalin B in Vaccariae Semen[J]. Chinese Journal of Pharmaceutical Analysis, 2012, 32(5):793-796.

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