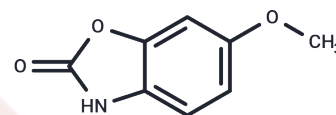


Coixol

Chemical Properties

CAS No. :	532-91-2
Formula:	C ₈ H ₇ NO ₃
Molecular Weight:	165.15
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Coixol (MBOA) acts as a central muscle relaxant with an anti-convulsant effect. 2. Coixol interacts with the pituitary to stimulate reproduction in voles. 3. Coixol has the ability to interact with FSH to stimulate follicular development and increase ovulation. 4. Coixol can regulate gene expression, production and secretion of mucin, by directly acting on airway epithelial cells.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 50 mg/mL (302.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0551 mL	30.2755 mL	60.551 mL
5 mM	1.211 mL	6.0551 mL	12.1102 mL
10 mM	0.6055 mL	3.0276 mL	6.0551 mL
50 mM	0.1211 mL	0.6055 mL	1.211 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.

Reference

Lee H J , Ryu J , Park S H , et al. Suppressive effects of coixol, glyceryl trilinoleate and natural products derived from Coix, Lachryma - Jobi, var. ma - yuen, on gene expression, production and secretion of airway MUC5AC mucin[J]. Archives of Pharmacal Research, 2015, 38(5):620-627.

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