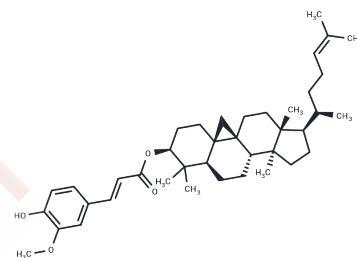


$\gamma$ -Oryzanol

## Chemical Properties

CAS No. :	11042-64-1
Formula:	C <sub>40</sub> H <sub>58</sub> O <sub>4</sub>
Molecular Weight:	602.9
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	$\gamma$ -Oryzanol (Gamma-Oryzanol) is a natural nutrient extract isolated from rice bran oil that contains a mixture of sterols and ferulic acids, which may aid in the destruction of free radicals in the skin. It has recently been researched for its ability to slow the progress of melanin pigmentation by intercepting the ultraviolet rays at the skin's surface and hindering their transmission.
Targets(IC50)	DNA Methyltransferase

## Solubility Information

Solubility	DMSO: 16.67 mg/mL (27.65 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 (3.32 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.6586 mL	8.2932 mL	16.5865 mL
5 mM	0.3317 mL	1.6586 mL	3.3173 mL
10 mM	0.1659 mL	0.8293 mL	1.6586 mL
50 mM	0.0332 mL	0.1659 mL	0.3317 mL

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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

Rao YP, et al. Biochem Biophys Res Commun. 2016 Oct 28;479(4):747-752.

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