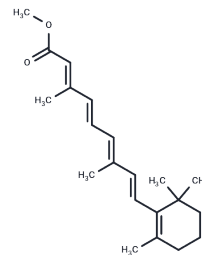


## Methyl retinoate

## Chemical Properties

CAS No. :	339-16-2
Formula:	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>
Molecular Weight:	314.46
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	Methyl retinoate (Retinoic acid, methyl ester) induces aseptic inflammation at the site of administration in in vivo experiments, which causes an increase in the number of leukocytes in the blood and a decrease in the levels of red blood cells and Hb. Methyl retinoate promotes spontaneous leukemia. Methyl retinoate can be used in the treatment of gastric hypertrophy and ulcers due to vitamin A deficiency.  Translated with <a href="http://www.DeepL.com/Translator">www.DeepL.com/Translator</a> (free version)
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 60 mg/mL (190.8 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	3.1801 mL	15.9003 mL	31.8005 mL
5 mM	0.636 mL	3.1801 mL	6.3601 mL
10 mM	0.318 mL	1.590 mL	3.1801 mL
50 mM	0.0636 mL	0.318 mL	0.636 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

Halley BA, et al. Solvent effects on the time-dependent photoisomerization of methyl retinoate. Int J Vitam Nutr Res. 1979;49(4):347-351.

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