

Ricinoleic acid

Chemical Properties

CAS No. : 141-22-0

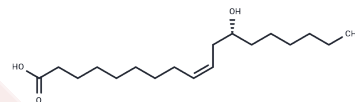
Formula: C₁₈H₃₄O₃

Molecular Weight: 298.46

Store at low temperature

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	Ricinoleic acid is a natural product that constitutes about 90% of the fatty acids in castor oil.
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 250 mg/mL (837.63 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 (6.7 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	3.3505 mL	16.7527 mL	33.5053 mL
5 mM	0.6701 mL	3.3505 mL	6.7011 mL
10 mM	0.3351 mL	1.6753 mL	3.3505 mL
50 mM	0.067 mL	0.3351 mL	0.6701 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

Alves S P , Araujo C M , Queiroga R C , et al. New insights on the metabolism of ricinoleic acid in ruminants[J].
Journal of dairy ence, 2017, 100(10):8018-8032.

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