

Methyl ricinoleate

Chemical Properties

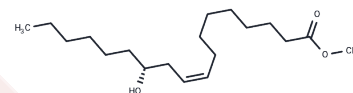
CAS No. : 141-24-2

Formula: C19H36O3

Molecular Weight: 312.49

Storage: Pure form: -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 ricinoleate is a compound classified under fatty acid methyl esters. It is derived from ricinoleic acid, a mono-unsaturated omega-9 fatty acid found in castor oil. Methyl ricinoleate is commonly utilized as a reference compound for fatty acid methyl esters in gas chromatography analysis. Its potential applications have also been explored in biofuels and as an ingredient in the production of biodegradable plastics and surfactants.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2001 mL	16.0005 mL	32.001 mL
5 mM	0.640 mL	3.2001 mL	6.4002 mL
10 mM	0.320 mL	1.6001 mL	3.2001 mL
50 mM	0.064 mL	0.320 mL	0.640 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.

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