

Methyl dec-9-enoate

Chemical Properties

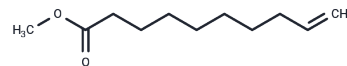
CAS No. : 25601-41-6

Formula: C₁₁H₂₀O₂

Molecular Weight: 184.28

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 dec-9-enoate (9-Decenoic acid methyl ester) is an olefin ester oil displacing agent, and is a raw material for coatings, inks and plastic additives.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4265 mL	27.1326 mL	54.2652 mL
5 mM	1.0853 mL	5.4265 mL	10.853 mL
10 mM	0.5427 mL	2.7133 mL	5.4265 mL
50 mM	0.1085 mL	0.5427 mL	1.0853 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

Rezgui, Y., et al. Impact of Ethanol Blending Ratios on the Unregulated Emissions Issued from the Combustion of Diesel-Biodiesel-Ethanol Mixtures. Kinet Catal 64, 716-728 (2023).

Alviso, D., et al. Chemical kinetic mechanism for diesel/biodiesel/ethanol surrogates using n-decane/methyl-decanoate/ethanol blends. J Braz. Soc. Mech. Sci. Eng. 42, 100 (2020).

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