Data Sheet (Cat.No.T2O2667)

TargetMol

Methyl Oleate

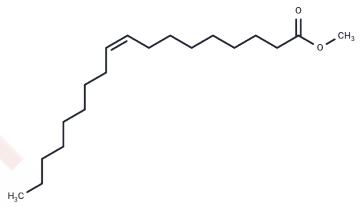
Chemical Properties

CAS No. : 112-62-9

Formula: C19H36O2

Molecular Weight: 296.49

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 oleate is a fatty acid methyl ester. It significantly improves antioxidant capacity, but also significantly weakens the anti-abrasive capacity of zinc dialkyl dithiophosphate.
Targets(IC50)	Antioxidant,Antibacterial

Solubility Information

Solubility	DMSO: 100 mg/mL (337.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3728 mL	16.864 mL	33.728 mL
5 mM	0.6746 mL	3.3728 mL	6.7456 mL
10 mM	0.3373 mL	1.6864 mL	3.3728 mL
50 mM	0.0675 mL	0.3373 mL	0.6746 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

Roesle, P., Dürr, C., Möller, H., Cavallo, L., Caporaso, L., & Mecking, S. (2012). Mechanistic Features of Isomerizing Alkoxycarbonylation of Methyl Oleate. Journal Of The American Chemical Society, 134(42), 17696-17703. doi: 10.1021/ja307411p

Simon, C., Onghena, M., Covaci, A., Van Hoeck, E., Van Loco, J., & Vandermarken, T. et al. (2016). Screening of endocrine activity of compounds migrating from plastic baby bottles using a multi-receptor panel of in vitro bioassays. Toxicology In Vitro, 37, 121-133. doi: 10.12016/j.tiv.2016.09.2008

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