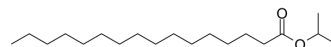


Isopropyl palmitate

Cat. No.:	HY-W011426
CAS No.:	142-91-6
Molecular Formula:	C ₁₉ H ₃₈ O ₂
Molecular Weight:	298.51
Target:	Biochemical Assay Reagents; Liposome
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	<div>Pure form</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (335.00 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3500 mL	16.7499 mL	33.4997 mL
	5 mM		0.6700 mL	3.3500 mL	6.6999 mL
	10 mM		0.3350 mL	1.6750 mL	3.3500 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Isopropyl palmitate is a fatty acid ester. Isopropyl palmitate can be used for design and characterization of bioactive bilayer films. The bilayer membrane not only has the ability to scavenge free radicals and inhibit lipid peroxidation, but also can inhibit the growth of known foodborne pathogens. Isopropyl palmitate can be used as an excipient, such as lubricant, oily carrier, solvent, controlled-release transdermal film. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs^{[1][2]}.

REFERENCES

[1]. Luís Â, et al. Design and Characterization of Bioactive Bilayer Films: Release Kinetics of Isopropyl Palmitate. Antibiotics (Basel). 2020 Jul 24;9(8):443.

Caution: Product has not been fully validated for medical applications. For research use only.

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