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**Product Data Sheet**

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Product Name: cis-9,10-Methyleneoctadecanoic Acid methyl ester

Cat. No.: GC18640

**Chemical Properties**

Cas. No. 3971-54-8

Chemical Name (1R,2S)-rel-2-octyl-cyclopropaneoctanoic acid, methyl ester

SMILES O=C(OC)CCCCCCC[C@H](C1)[C@H]1CCCCCCCCFormula  $C_{20}H_{38}O_2$ 

M.Wt 310.5

Solubility Chloroform: Soluble, Ethanol: Soluble, Methanol: Soluble

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

cis-9,10-Methyleneoctadecanoic acid methyl ester is a cyclopropane fatty acid methyl ester. It stimulates DNA synthesis in rat hepatocytes. cis-9,10-Methyleneoctadecanoic acid methyl ester has been used as a standard for the quantification of cis-9,10-methyleneoctadecanoic acid in bacterial membranes by co-chromatography.

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

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