

## Product Data Sheet

Product Name: Nonadecanoic Acid methyl ester

Cat. No.: GC41377

### Chemical Properties

Cas. No. 1731-94-8

SMILES O=C(CCCCCCCCCCCCCCCCCC)OC

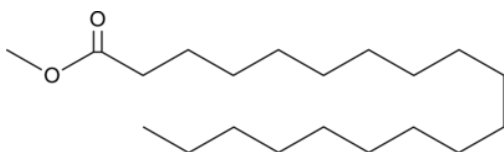
Formula  $C_{20}H_{40}O_2$  M.Wt 312.5

Solubility DMF: 25 mg/ml, DMF:PBS(pH 7.2) (1:1): 0.25 mg/ml, DMSO: 10 mg/ml, Ethanol: 25 mg/ml  
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 sizes: ship with RT, or blue ice upon request.

Structure



### Background

Nonadecanoic acid methyl ester is an esterified version of the free acid which is less water soluble but more amenable for the formulation of nonadecanoate-containing diets and dietary supplements. Nonadecanoic acid is a 19-carbon saturated fatty acid that is found in fats and vegetable oils. It has been shown to inhibit HL-60 cancer cell proliferation with an IC<sub>50</sub> value of 68 µM.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA