

Product Data Sheet

Product Name: Malvalic Acid methyl ester

Cat. No.: GC44117

Chemical Properties

Cas. No. 5026-66-4

SMILES O=C(OC)CCCCCCC1=C(CCCCCCCC)C1

Formula C₁₉H₃₄O₂

M.Wt 294.5

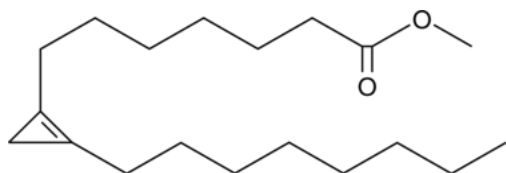
Solubility Soluble in DMSO

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

Malvalic acid methyl ester is a naturally occurring cyclopropene fatty acid methyl ester that has been found in the roots and leaves of *A. officinalis* and *E. sativa*, respectively. It inhibits the growth of *P. gossypiella*, *H. zea*, and *H. virescens* larvae (ED₅₀s = 0.27, 0.49, and 0.49% of diet, respectively).

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

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