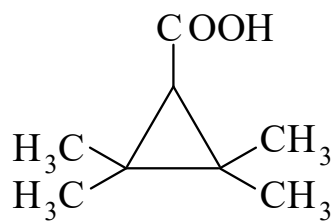




>>Entry Name: 2,2,3,3-Tetramethylcyclopropanecarboxylic acid, 9CI



CAS Registry Number: 15641-58-4

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Physical Description: Prisms (AcOH aq.) or cryst. (MeOH aq.)

Melting Point: Mp 121-124°

Aldrich: 30156-6

>>Derivative: Et ester

CAS Registry Number: 771-10-8

Molecular Formula: C₁₀H₁₈O₂

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Use/Importance: Insecticide

Boiling Point: Bp₁₅ 76-77°

Refractive Index: n_D²⁰ 1.4410

Aldrich: 30319-4

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 827B; 956B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 599A; 651C, (*ir*)

Meshcheryakov, A.P. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1960, 931, (*synth*)

Jones, P.G. *et al.*, *Acta Cryst. C*, 1987, **43**, 1752, (*cryst struct*)

Thamattoor, D.M. *et al.*, *J.O.C.*, 1999, **64**, 5886-5895, (*synth, ir, pmr*)