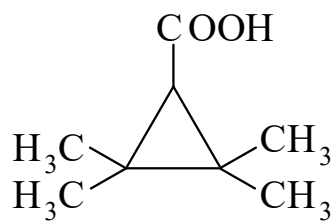




>>Entry Name: 2,2,3,3-Tetramethylcyclopropanecarboxylic acid, 9CI



**CAS Registry Number:** 15641-58-4

**Molecular Formula:** C<sub>8</sub>H<sub>14</sub>O<sub>2</sub>

**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:** C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

**Molecular Weight:** 170.251

**Accurate Mass:** 170.13068

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

**Use/Importance:** Insecticide

**Boiling Point:** Bp<sub>15</sub> 76-77°

**Refractive Index:** n<sub>D</sub><sup>20</sup> 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*)