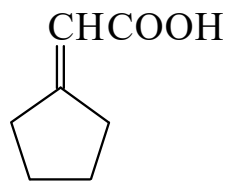




>>Entry Name: Cyclopentylideneacetic acid, 9CI

Synonym(s): $\Delta^{1,\alpha}$ -Cyclopenteneacetic acid



CAS Registry Number: 1903-27-1

Related CAS Registry Numbers(s): 40203-73-4

Molecular Formula: $C_7H_{10}O_2$

Molecular Weight: 126.155

Accurate Mass: 126.06808

Percentage Composition: C 66.65%; H 7.99%; O 25.36%

Physical Description: Cryst. (petrol)

Melting Point: Mp 62.5-64°

Rare Chemicals Library: S75793-4

>>Derivative: Et ester

CAS Registry Number: 1903-22-6

Molecular Formula: $C_9H_{14}O_2$

Molecular Weight: 154.208

Accurate Mass: 154.09938

Percentage Composition: C 70.10%; H 9.15%; O 20.75%

Physical Description: Liq.

Boiling Point: Bp₂₀ 93-96°

>>Derivative: Nitrile

Synonym(s): (Cyanomethylene)cyclopentane

CAS Registry Number: 5732-88-7

Molecular Formula: C_7H_9N

Molecular Weight: 107.155

Accurate Mass: 107.073499

Percentage Composition: C 78.46%; H 8.47%; N 13.07%

Physical Description: Oil

Boiling Point: Bp₅₇ 116°. Bp₁₂ 83-84°

Other: PB C32665

References:

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Tanaka, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 3619, (*synth, ir, pmr, ester*)

Wu, K. *et al.*, *J.O.C.*, 1990, **55**, 4381, (*nitrile*)

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Palaty, J. *et al.*, *J. Med. Chem.*, 1995, **38**, 3398, (*synth, ir, pmr*)

Jordis, U. *et al.*, *Org. Prep. Proced. Int.*, 1997, **29**, 549-560, (*nitrile*)