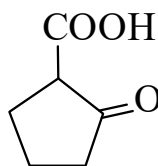




>>Entry Name: 2-Oxocyclopentanecarboxylic acid, 9CI

Synonym(s): Cyclopentanone-2-carboxylic acid. 2-Hydroxy-1-cyclopentenecarboxylic acid



CAS Registry Number: 50882-16-1

Related CAS Registry Numbers(s): 611-10-9

Molecular Formula: C<sub>6</sub>H<sub>8</sub>O<sub>3</sub>

Molecular Weight: 128.127

Accurate Mass: 128.047345

Percentage Composition: C 56.25%; H 6.29%; O 37.46%

>>Variant: (±)-form

Molecular Formula: C<sub>6</sub>H<sub>8</sub>O<sub>3</sub>

Molecular Weight: 128.127

Accurate Mass: 128.047345

Percentage Composition: C 56.25%; H 6.29%; O 37.46%

>>Derivative: Me ester

CAS Registry Number: 10472-24-9

Molecular Formula: C<sub>7</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 142.154

Accurate Mass: 142.062995

Percentage Composition: C 59.14%; H 7.09%; O 33.76%

Boiling Point: Bp<sub>19</sub> 105°

Aldrich: 16810-6

Fluka: 29785

Sigma: O1006

>>Derivative: Me ester, semicarbazone

Physical Description: Cryst.

Melting Point: Mp 167°

>>Derivative: Et ester

Synonym(s): 2-Ethoxycarbonylcyclopentanone. Dieckmann ester

CAS Registry Number: 53229-92-8

Molecular Formula: C<sub>8</sub>H<sub>12</sub>O<sub>3</sub>

Molecular Weight: 156.181

Accurate Mass: 156.078645

Percentage Composition: C 61.52%; H 7.74%; O 30.73%

Physical Description: Oil

Boiling Point: Bp<sub>6</sub> 86-87°

>>Derivative: Anilide

Synonym(s): 2-Oxo-*N*-phenylcyclopentanecarboxamide, 9CI

CAS Registry Number: 4874-65-1

Molecular Formula: C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>

Molecular Weight: 203.24

Accurate Mass: 203.094629

Percentage Composition: C 70.92%; H 6.45%; N 6.89%; O 15.74%

Use/Importance: Used as 0.3% soln. in 50% EtOH for gravimetric detn. of Be, Hg, V, U

Physical Description: Cryst. (EtOH)

Solubility: Sol. EtOH, Me<sub>2</sub>CO

Rare Chemicals Library: S86985-6