



Percentage Composition: C 51.72%; H 6.94%; O 41.34%

Physical Description: Cryst.

Melting Point: Mp 21°

Boiling Point: Bp₂₅ 145°

pKa Value: pK_a 3.85

>>Derivative: Me ester

CAS Registry Number: 37443-42-8

Boiling Point: Bp 175-180°. Bp₁₅ 77-78°

>>Derivative: Et ester

CAS Registry Number: 16874-34-3

Molecular Formula: C₇H₁₂O₃

Molecular Weight: 144.17

Accurate Mass: 144.078645

Percentage Composition: C 58.32%; H 8.39%; O 33.29%

Physical Description: Liq. with pleasant fruity odour

Boiling Point: Bp₁₁ 82°

>>Derivative: 4-Phenylphenacyl ester

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 100.5°

>>Derivative: Chloride

CAS Registry Number: 52449-98-6

Molecular Formula: C₅H₇ClO₂

Molecular Weight: 134.562

Accurate Mass: 134.013457

Percentage Composition: C 44.63%; H 5.24%; Cl 26.35%; O 23.78%

Boiling Point: Bp₃₀ 80-81°

>>Derivative: Amide

Molecular Formula: C₅H₉NO₂

Molecular Weight: 115.132

Accurate Mass: 115.063329

Percentage Composition: C 52.16%; H 7.88%; N 12.17%; O 27.79%

Physical Description: Leaflets (Et₂O)

Melting Point: Mp 80°

Boiling Point: Bp₂₀ 135-140°

Solubility: Sol. H₂O, CHCl₃, spar. sol. Et₂O

>>Derivative: Nitrile

CAS Registry Number: 14631-43-7

Molecular Formula: C₅H₇NO

Molecular Weight: 97.116

Percentage Composition: C 61.84%; H 7.26%; N 14.42%; O 16.47%

Boiling Point: Bp₂₃ 80-82°. Bp₁₀ 71-73°

References:

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