



Boiling Point: Bp 168.7°
Density: d_4^{15} 0.876
Refractive Index: n_D^{15} 1.4096
Aldrich: 41044-6

>>Derivative: Benzyl ester

Synonym(s): Benzyl propanoate. Benzyl propionate. FEMA 2150

CAS Registry Number: 122-63-4
Molecular Formula: C₁₀H₁₂O₂
Molecular Weight: 164.204
Accurate Mass: 164.08373
Percentage Composition: C 73.15%; H 7.37%; O 19.49%
Use/Importance: Used in perfumery and food flavouring
Physical Description: Liq.
Boiling Point: Bp 222°
Density: d 1.03
Aldrich: W21501-5
Rare Chemicals Library: S55757-9
Supelco: S48-2150

>>Derivative: Ph ester

Synonym(s): Phenyl propionate

CAS Registry Number: 637-27-4
Molecular Formula: C₉H₁₀O₂
Molecular Weight: 150.177
Accurate Mass: 150.06808
Percentage Composition: C 71.98%; H 6.71%; O 21.31%
Physical Description: Prisms
Melting Point: Mp 20°
Boiling Point: Bp 211°
Hazard & Toxicity: Fl. p. 86°

>>Derivative: Fluoride

Synonym(s): Propionyl fluoride

CAS Registry Number: 430-71-7
Molecular Formula: C₃H₅FO
Molecular Weight: 76.07
Accurate Mass: 76.032443
Percentage Composition: C 47.37%; H 6.62%; F 24.97%; O 21.03%
Physical Description: Liq.
Boiling Point: Bp 44°
Rare Chemicals Library: S44960-1

>>Derivative: Chloride

Synonym(s): Propionyl chloride

CAS Registry Number: 79-03-8
Molecular Formula: C₃H₅ClO
Molecular Weight: 92.525
Accurate Mass: 92.002892
Percentage Composition: C 38.94%; H 5.45%; Cl 38.32%; O 17.29%
Physical Description: Liq.
Boiling Point: Bp 80°

Hazard & Toxicity: Highly flammable, fl. p. 12°. Corrosive and irritating to skin, eyes and mucous membranes. Reacts violently with H₂O

Aldrich: P5155-9
Fluka: 81970