



Boiling Point: Bp 103-103.6°
Density: d¹⁶ 1.521
Refractive Index: n_D¹⁶ 1.4578
Aldrich: 30757-2
Fluka: 81950

>>**Derivative:** Iodide
Synonym(s): Propionyl iodide

CAS Registry Number: 598-40-3
Molecular Formula: C₃H₅IO
Molecular Weight: 183.976
Accurate Mass: 183.938513
Percentage Composition: C 19.59%; H 2.74%; I 68.98%; O 8.70%
Physical Description: Yellowish liq.
Boiling Point: Bp 127-128°. Bp₃₀ 75°. Bp₅₀ 52-53°

>>**Derivative:** Amide
Synonym(s): Propanamide, 9Cl. Propionamide

CAS Registry Number: 79-05-0
Molecular Formula: C₃H₇NO
Molecular Weight: 73.094
Accurate Mass: 73.052764
Percentage Composition: C 49.30%; H 9.65%; N 19.16%; O 21.89%
Physical Description: Plates (C₆H₆)
Melting Point: Mp 79°
Boiling Point: Bp 222.2°
Other Data: Steam-volatile
Aldrich: 14393-6

>>**Derivative:** Amide, *N*-Ac

CAS Registry Number: 19264-34-7
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%
Melting Point: Mp 86°
Boiling Point: Bp 230-240°

>>**Derivative:** Methanamide

CAS Registry Number: 1187-58-2
Melting Point: Mp -43°
Boiling Point: Bp₉₀ 146°
Refractive Index: n_D²⁰ 1.4360
Aldrich: 29087-4
Fluka: 68900
Rare Chemicals Library: S39201-4

>>**Derivative:** Dimethanamide

CAS Registry Number: 758-96-3
Molecular Formula: C₅H₁₁NO
Molecular Weight: 101.148
Accurate Mass: 101.084064
Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%
Physical Description: Liq.
Boiling Point: Bp 165-178°

Aldrich: 25287-5