>>**Entry Name: Diethylcarbamic acid,** 9CI

CAS Registry Number: 24579-70-2
Et_2NCOOH

Molecular Formula: $C_5H_{11}NO_2$
Molecular Weight: 117.147
Accurate Mass: 117.078979
Percentage Composition: C 51.26%; H 9.46%; N 11.96%; O 27.31%
Other Data: Unstable above –15°

>>**Derivative:** Me ester

CAS Registry Number: 4652-44-2
Molecular Formula: $C_6H_{13}NO_2$
Molecular Weight: 131.174
Accurate Mass: 131.094629
Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%
Boiling Point: Bp_{30} 34-36°

>>**Derivative:** Chloride
Synonym(s): *N*-Diethylchloroformamide. Diethylcarbamoyl chloride

CAS Registry Number: 88-10-8
Molecular Formula: $C_5H_{10}ClNO$
Molecular Weight: 135.593
Accurate Mass: 135.045091
Percentage Composition: C 44.29%; H 7.43%; Cl 26.15%; N 10.33%; O 11.80%
Boiling Point: Bp 186° (190-195°)

Aldrich: D9140-3
Fluka: 32050

>>**Derivative:** Nitrile
Synonym(s): Diethylcyanamide

CAS Registry Number: 617-83-4
Molecular Formula: $C_5H_{10}N_2$
Molecular Weight: 98.147
Accurate Mass: 98.084398
Percentage Composition: C 61.19%; H 10.27%; N 28.54%
Use/Importance: Dehydrating agent for coupling of *N*-protected aminoacids
Boiling Point: Bp 190°. Bp_{10} 68°

Aldrich: 21381-0

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