>>**Entry Name: 4-Aminobutanal,** 9CI
Synonym(s): 4-Aminobutyraldehyde

CAS Registry Number: 4390-05-0
$H_2NCH_2CH_2CH_2CHO$

Molecular Formula: C_4H_9NO
Molecular Weight: 87.121
Accurate Mass: 87.068414
Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%

>>**Derivative:** 2,4-Dinitrophenylhydrazone; hydrochloride

Physical Description: Solid (EtOH)
Melting Point: Mp 198-199°

>>**Derivative:** Di-Me acetal
Synonym(s): 4,4-Dimethoxybutylamine

CAS Registry Number: 19060-15-2
Molecular Formula: $C_6H_{15}NO_2$
Molecular Weight: 133.19
Accurate Mass: 133.110279
Percentage Composition: C 54.11%; H 11.35%; N 10.52%; O 24.02%
Physical Description: Oil
Boiling Point: Bp_{22} 83-85°

>>**Derivative:** Di-Et acetal
Synonym(s): 4,4-Diethoxybutylamine

CAS Registry Number: 6346-09-4
Molecular Formula: $C_8H_{19}NO_2$
Molecular Weight: 161.244
Accurate Mass: 161.141579
Percentage Composition: C 59.59%; H 11.88%; N 8.69%; O 19.85%
Boiling Point: Bp 196°. $Bp_{0.5}$ 84-85°
Aldrich: A4415-0
Fluka: 7250

References:

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Leonard, N.J. *et al.*, *Tet. Lett.*, 1960, **No. 25**, 44, *(synth)*
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