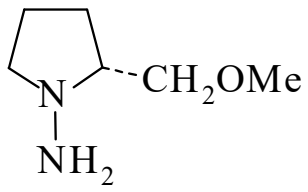
>>**Entry Name: 1-Amino-2-methoxymethylpyrrolidine**
Synonym(s): 2-(Methoxymethyl)-1-pyrrolidinamine



(*R*)-*form*

Molecular Formula: $C_6H_{14}N_2O$
Molecular Weight: 130.189
Accurate Mass: 130.110613
Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%

>>**Variant:** (*R*)-form
Synonym(s): RAMP

CAS Registry Number: 72748-99-3
Molecular Formula: $C_6H_{14}N_2O$
Molecular Weight: 130.189
Accurate Mass: 130.110613
Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%
Use/Importance: Chiral auxiliary
Physical Description: Oil
Boiling Point: Bp_5 62-66°
Optical Rotation: $[\alpha]_D^{20}$+79.8 (neat). $[\alpha]_D^{21}$+49.7 (c, 1.3 in C_6H_6)
Aldrich: 28158-1
Fluka: 8394
Sigma: A4917

>>**Variant:** (*S*)-form
Synonym(s): SAMP

CAS Registry Number: 59983-39-0
Molecular Formula: $C_6H_{14}N_2O$
Molecular Weight: 130.189
Accurate Mass: 130.110613
Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%
Use/Importance: Chiral auxiliary used in the asymmetric synth. of α-alkylated aldehydes and ketones and for enantioselective aldol reactions
Physical Description: Liq.
Boiling Point: Bp_3 56-57°. $Bp_{1.8}$ 42°
Optical Rotation: $[\alpha]_D^{20}$–50 (c, 1 in C_6H_6). $[\alpha]_D^{20}$–79.6 (neat)
Other Data: Stable on refrigeration
Aldrich: 28157-3
Fluka: 8396
Sigma: A8039

>>**Variant:** (±)-form

CAS Registry Number: 77257-36-4
Molecular Formula: $C_6H_{14}N_2O$
Molecular Weight: 130.189
Accurate Mass: 130.110613
Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%
Physical Description: Oil
Boiling Point: Bp_3 56-57°

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