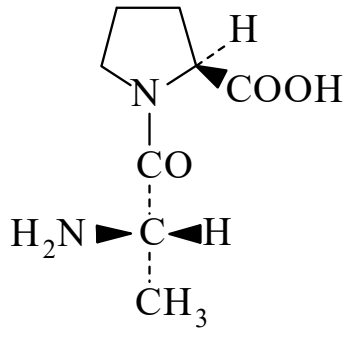
>>**Entry Name:** ***N*-Alanylproline**



L-L-*form*

Molecular Formula: $C_8H_{14}N_2O_3$
Molecular Weight: 186.21
Accurate Mass: 186.100443
Percentage Composition: C 51.60%; H 7.58%; N 15.04%; O 25.78%

>>**Variant:** D-L-form

CAS Registry Number: 61430-12-4
Molecular Formula: $C_8H_{14}N_2O_3$
Molecular Weight: 186.21
Accurate Mass: 186.100443
Percentage Composition: C 51.60%; H 7.58%; N 15.04%; O 25.78%
Melting Point: Mp 178°
Optical Rotation: $[\alpha]_D^{25}$ –114.4 (H_2O)
pKa Value: pK_{a2} 8.38 (25°)
Sigma: A0675

>>**Derivative:** Boc-Ala-Pro-OBzl

Melting Point: Mp 89-91°

>>**Variant:** L-L-form

CAS Registry Number: 13485-59-1
Molecular Formula: $C_8H_{14}N_2O_3$
Molecular Weight: 186.21
Accurate Mass: 186.100443
Percentage Composition: C 51.60%; H 7.58%; N 15.04%; O 25.78%
Fluka: 5370
Sigma: A3253

>>**Derivative:** H-Ala-Pro-OBu^t

Melting Point: Mp 79-81°
Optical Rotation: $[\alpha]_D^{20}$ –102.8 (c, 1 in AcOH)

>>**Derivative:** Z-Ala-Pro-OBu^t

Melting Point: Mp 178°
Optical Rotation: $[\alpha]_D^{20}$ –82 (c, 1 in MeOH)

References:

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Thompson, R.C. *et al.*, *Biochemistry*, 1973, **12**, 51; 57, *(synth)*
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