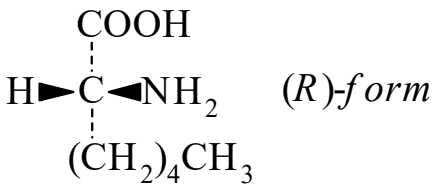
>>**Entry Name: 2-Aminoheptanoic acid**
Synonym(s): Heptyline



(*R*)-*form*

CAS Registry Number: 1188-04-1

Molecular Formula: $C_7H_{15}NO_2$
Molecular Weight: 145.201
Accurate Mass: 145.110279
Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%
Biological Source: Prod. by *Claviceps purpurea*

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

Molecular Formula: $C_7H_{15}NO_2$
Molecular Weight: 145.201
Accurate Mass: 145.110279
Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%
Optical Rotation: $[\alpha]_D^{27}$–24 (c, 0.04 in 6*M* HCl)

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

CAS Registry Number: 44902-02-5
Molecular Formula: $C_7H_{15}NO_2$
Molecular Weight: 145.201
Accurate Mass: 145.110279
Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%
Physical Description: Needles (H_2O)
Melting Point: Mp 274 dec.°
Optical Rotation: $[\alpha]_D^{20}$+23.9 (c, 0.04 in 6*M* HCl)

>>**Variant:** (±)-form

CAS Registry Number: 1115-90-8
Molecular Formula: $C_7H_{15}NO_2$
Molecular Weight: 145.201
Accurate Mass: 145.110279
Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%
Physical Description: Plates (H_2O)
Melting Point: Mp 275 dec.°

>>**Derivative:** *N*-Di-Me, Et ester
Molecular Formula: $C_{11}H_{23}NO_2$
Molecular Weight: 201.308
Accurate Mass: 201.172879
Percentage Composition: C 65.63%; H 11.52%; N 6.96%; O 15.90%
Physical Description: Liq.
Boiling Point: Bp_{10} 100°

References:

Helms, A., *Ber.*, 1875, **8**, 1168, *(synth)*
Baker, C.G. *et al.*, *J.A.C.S.*, 1951, **73**, 1336, *(resoln, abs config)*
Steiner, M. *et al.*, *Biochem. Z.*, 1964, **340**, 436, *(isol)*