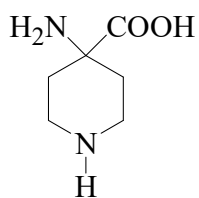




>>Entry Name: 4-Amino-4-piperidinecarboxylic acid, 9CI



CAS Registry Number: 40951-39-1

Molecular Formula: $C_6H_{12}N_2O_2$

Molecular Weight: 144.173

Accurate Mass: 144.089878

Percentage Composition: C 49.99%; H 8.39%; N 19.43%; O 22.19%

Physical Description: Cryst.

Other Data: Sinters at 285-295°; dec. >305°

>>Derivative: Hydrobromide

CAS Registry Number: 76508-55-9

Physical Description: Cryst. (EtOAc aq.)

Melting Point: Mp 255° (dec.)

>>Derivative: N^1 -Carbamoyl

CAS Registry Number: 40951-38-0

Molecular Formula: $C_7H_{13}N_3O_3$

Molecular Weight: 187.198

Accurate Mass: 187.095692

Percentage Composition: C 44.91%; H 7.00%; N 22.45%; O 25.64%

Physical Description: Cryst.

Other Data: Dec. at 278-281°

>>Derivative: N^1 -Me

CAS Registry Number: 15580-66-2

Molecular Formula: $C_7H_{14}N_2O_2$

Molecular Weight: 158.2

Accurate Mass: 158.105528

Percentage Composition: C 53.15%; H 8.92%; N 17.71%; O 20.23%

Physical Description: Cryst.

Melting Point: Mp 243-245°

>>Derivative: N^1 -Benzyl

CAS Registry Number: 39143-25-4

Molecular Formula: $C_{13}H_{18}N_2O_2$

Molecular Weight: 234.297

Accurate Mass: 234.136828

Percentage Composition: C 66.64%; H 7.74%; N 11.96%; O 13.66%

Physical Description: Cryst.

Other Data: Dec. at 225-230°

References:

Christensen, H.N. *et al.*, *Biochim. Biophys. Acta*, 1973, **298**, 932-950, (*synth*, *1-carbamoyl*)

Jacobsen, P. *et al.*, *Acta Chem. Scand., Ser. B*, 1980, **34**, 319-326, (*synth*, *ir*, *pmr*)