Melting Point: Mp 140°
Optical Rotation: $[\alpha]_D^{25}$+11.5
Solubility: Sol. H_2O, EtOH; spar. sol. Et_2O

>>**Derivative:** Hydrochloride

CAS Registry Number: 3184-13-2
Physical Description: Cryst.
Melting Point: Mp 245 (233°) dec.°
Optical Rotation: $[\alpha]_D^{25}$+28.3 (c, 2 in 5*M* HCl). $[\alpha]_D^{24}$+23.6 (c, 4 in 6*N* HCl)

Aldrich: O-830-5
Fluka: 75469
Sigma: O4386

>>**Derivative:** Hydrochloride (1:2)

CAS Registry Number: 6211-16-1
Physical Description: Cryst. (MeOH/Et_2O)
Melting Point: Mp 202-203°. Mp 230-232 dec.°
Optical Rotation: $[\alpha]_D^{25}$+16.5 (c, 4 in H_2O)
Fluka: 75440

>>**Derivative:** N^2-Ac
Synonym(s): N^{α}-Acetylornithine

CAS Registry Number: 6205-08-9

Molecular Formula: $C_7H_{14}N_2O_3$
Molecular Weight: 174.199
Accurate Mass: 174.100443
Percentage Composition: C 48.26%; H 8.10%; N 16.08%; O 27.55%
Biological Source: Intermed. in biosynth. of ornithine from Glutamic acid HHT64-G in bacteria
Physical Description: Cryst.
Melting Point: Mp 226-227°
Optical Rotation: $[\alpha]_D^{25}$+6.5 (c, 5 in H_2O)
Rare Chemicals Library: S45111-8
Sigma: A3626

>>**Derivative:** N^5-Ac
Synonym(s): N^{δ}-Acetylornithine

CAS Registry Number: 2185-16-2

Molecular Formula: $C_7H_{14}N_2O_3$
Molecular Weight: 174.199
Percentage Composition: C 48.26%; H 8.10%; N 16.08%; O 27.55%
Biological Source: Isol. from various plants, e.g. *Asplenium* spp. and grasses
Physical Description: Plates (MeOH)
Melting Point: Mp 266 (229°) dec.°
Optical Rotation: $[\alpha]_D^{24}$+13.1 (H_2O). $[\alpha]_D^{25}$+24 (c, 1 in 5*M* HCl)

>>**Derivative:** N^2,N^5-Di-Ac
Synonym(s): N^{α},N^{δ}-Diacetylornithine, 9CI. **Bisorcic,** INN

CAS Registry Number: 39825-23-5

Molecular Formula: $C_9H_{16}N_2O_4$
Molecular Weight: 216.236
Accurate Mass: 216.111008
Percentage Composition: C 49.99%; H 7.46%; N 12.95%; O 29.60%
Use/Importance: Hepatoprotective agent, psychostimulant
Calculated Log P Data: Log P –1.86 (calc)