



**Melting Point:** Mp 140°

**Optical Rotation:**  $[\alpha]_{\text{D}}^{25} +11.5$

**Solubility:** Sol. H<sub>2</sub>O, EtOH; spar. sol. Et<sub>2</sub>O

>>Derivative: Hydrochloride

**CAS Registry Number:** 3184-13-2

**Physical Description:** Cryst.

**Melting Point:** Mp 245 (233°) dec.°

**Optical Rotation:**  $[\alpha]_{\text{D}}^{25} +28.3$  (c, 2 in 5M HCl).  $[\alpha]_{\text{D}}^{24} +23.6$  (c, 4 in 6N HCl)

**Aldrich:** O-830-5

**Fluka:** 75469

**Sigma:** O4386

>>Derivative: Hydrochloride (1:2)

**CAS Registry Number:** 6211-16-1

**Physical Description:** Cryst. (MeOH/Et<sub>2</sub>O)

**Melting Point:** Mp 202-203°. Mp 230-232 dec.°

**Optical Rotation:**  $[\alpha]_{\text{D}}^{25} +16.5$  (c, 4 in H<sub>2</sub>O)

**Fluka:** 75440

>>Derivative: *N*<sup>2</sup>-Ac

**Synonym(s):** *N*<sup>α</sup>-Acetylornithine

**CAS Registry Number:** 6205-08-9

**Molecular Formula:** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>

**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:**  $[\alpha]_{\text{D}}^{25} +6.5$  (c, 5 in H<sub>2</sub>O)

**Rare Chemicals Library:** S45111-8

**Sigma:** A3626

>>Derivative: *N*<sup>5</sup>-Ac

**Synonym(s):** *N*<sup>δ</sup>-Acetylornithine

**CAS Registry Number:** 2185-16-2

**Molecular Formula:** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>

**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:**  $[\alpha]_{\text{D}}^{24} +13.1$  (H<sub>2</sub>O).  $[\alpha]_{\text{D}}^{25} +24$  (c, 1 in 5M HCl)

>>Derivative: *N*<sup>2</sup>,*N*<sup>5</sup>-Di-Ac

**Synonym(s):** *N*<sup>α</sup>,*N*<sup>δ</sup>-Diacetylornithine, 9Cl. **Bisorcic**, INN

**CAS Registry Number:** 39825-23-5

**Molecular Formula:** C<sub>9</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>

**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)