



Melting Point: Mp 140°

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

Solubility: Sol. H₂O, EtOH; spar. sol. Et₂O

>>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/Et₂O)

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

Optical Rotation: $[\alpha]_{\text{D}}^{25} +16.5$ (c, 4 in H₂O)

Fluka: 75440

>>Derivative: *N*²-Ac

Synonym(s): *N*^α-Acetylorithine

CAS Registry Number: 6205-08-9

Molecular Formula: C₇H₁₄N₂O₃

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 H₂O)

Rare Chemicals Library: S45111-8

Sigma: A3626

>>Derivative: *N*⁵-Ac

Synonym(s): *N*^δ-Acetylorithine

CAS Registry Number: 2185-16-2

Molecular Formula: C₇H₁₄N₂O₃

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: $[\alpha]_{\text{D}}^{24} +13.1$ (H₂O). $[\alpha]_{\text{D}}^{25} +24$ (c, 1 in 5M HCl)

>>Derivative: *N*²,*N*⁵-Di-Ac

Synonym(s): *N*^α,*N*^δ-Diacetylorithine, 9Cl. **Bisorcic**, INN

CAS Registry Number: 39825-23-5

Molecular Formula: C₉H₁₆N₂O₄

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)