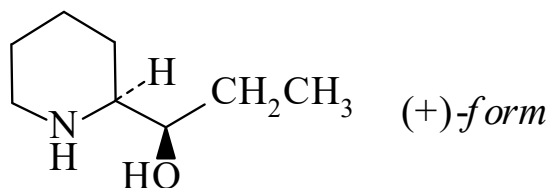




>>Entry Name: Conhydrine

Synonym(s): α -Ethyl-2-piperidinemethanol, 9Cl. 2-(1-Hydroxypropyl)piperidine. 1-(2-Piperidino)-1-propanol. α -Conhydrine



CAS Registry Number: 63401-12-7

Molecular Formula: $C_8H_{17}NO$

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

>>Variant: (+)-form

CAS Registry Number: 495-20-5

Molecular Formula: $C_8H_{17}NO$

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Biological Source: Alkaloid from hemlock (*Conium maculatum*) (Umbelliferae)

Physical Description: Leaflets (Et₂O)

Melting Point: Mp 121°

Boiling Point: Bp₇₂₀ 224.5°

Optical Rotation: $[\alpha]_D +10$ (c, 10 in EtOH)

Hazard & Toxicity: Extremely poisonous

>>Derivative: *N*-Ac

Boiling Point: Bp₃ 133-135°

>>Derivative: *O,N*-Dibenzoyl

Melting Point: Mp 133-134°

Optical Rotation: $[\alpha]_D -13$ (c, 3 in CHCl₃)

>>Derivative: *N*-Me

Boiling Point: Bp₁₁ 94-95°

>>Variant: (–)-form

CAS Registry Number: 18209-37-5

Molecular Formula: $C_8H_{17}NO$

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Source/Synthesis: Synthetic

Optical Rotation: $[\alpha]_D -9.3$ (95% EtOH)

>>Variant: (±)-form

CAS Registry Number: 3238-62-8

Molecular Formula: $C_8H_{17}NO$

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Source/Synthesis: Synthetic

Melting Point: Mp 99-100°

>>Derivative: *N*-Me; methiodide

Melting Point: Mp 178-179°

References: