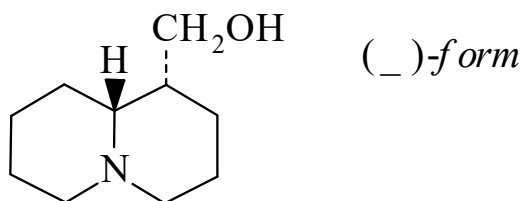




>>Entry Name: Lupinine

ENTRY UNDER REVIEW

Synonym(s): Octahydro-2*H*-quinolizine-1-methanol, 9Cl. 1-Hydroxymethylquinolizidine



Molecular Formula: C₁₀H₁₉NO

Molecular Weight: 169.266

Accurate Mass: 169.146664

Percentage Composition: C 70.96%; H 11.31%; N 8.27%; O 9.45%

Use/Importance: Insect antifeedant. Antiinflammatory, antiarrhythmic agent. Oxytotic agent. Possesses cathartic, diuretic props.

Calculated Log P Data: Log P 0.85 (calc)

>>Variant: (+)-form

Molecular Formula: C₁₀H₁₉NO

Molecular Weight: 169.266

Accurate Mass: 169.146664

Percentage Composition: C 70.96%; H 11.31%; N 8.27%; O 9.45%

Source/Synthesis: Synthetic

Melting Point: Mp 68°

Optical Rotation: [α]_D +19.9

>>Derivative: (–)-Tartrate salt

Melting Point: Mp 167-168°

Optical Rotation: [α]_D –15.8 (H₂O)

>>Variant: (–)-form

CAS Registry Number: 486-70-4

Molecular Formula: C₁₀H₁₉NO

Molecular Weight: 169.266

Accurate Mass: 169.146664

Percentage Composition: C 70.96%; H 11.31%; N 8.27%; O 9.45%

Biological Source: Alkaloid from *Anabasis aphylla*, *Lupinus luteus*, *Lupinus palmeri* and a few other *Lupinus* spp. (Chenopodiaceae, Leguminosae)

Melting Point: Mp 70-71°

Boiling Point: Bp 255-257°

Optical Rotation: [α]_D¹⁷ –20.4 (EtOH)

Other Data: Pharmacol. active isomer

Hazard & Toxicity: LD₅₀ (mus, ivn) 15 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 6113-09-3

Melting Point: Mp 212-213° (207-209°)

Optical Rotation: [α]_D –14 (H₂O)

>>Derivative: Picrate

CAS Registry Number: 6113-13-9

Melting Point: Mp 136-137°. Mp 196-197° (dimorph.)

>>Derivative: Butanoyl

Synonym(s): Butanoyllupinine

CAS Registry Number: 38976-65-7