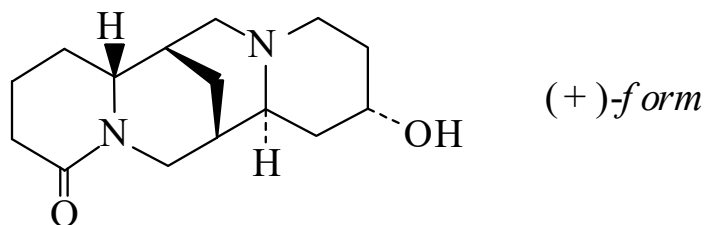




>>Entry Name: 13-Hydroxylupanine

Synonym(s): 13 α -Hydroxy-2-oxo-11 α -sparteine. Octalupine. Hydroxylupanine



CAS Registry Number: 15358-48-2

Molecular Formula: C₁₅H₂₄N₂O₂

Molecular Weight: 264.367

Accurate Mass: 264.183778

Percentage Composition: C 68.15%; H 9.15%; N 10.60%; O 12.10%

Biological Source: Alkaloid from *Cytisus scoparius*, *Lupinus angustifolius*, *Lupinus albus*, *Lupinus hilarianus*, *Lupinus perennis*, *Lupinus polyphyllus*, *Lupinus wyethi*, *Cadia* spp., *Genista cinerea*, *Sarothamnus catalaunicus* and *Thermopsis cinerea* (Leguminosae)

Melting Point: Mp 178-180° (172-174°)

Optical Rotation: [α]_D +74.1 (c, 3.6 in H₂O). [α]_D +51.8

>>Derivative: Hydroiodide

Melting Point: Mp 234-238°

>>Derivative: O-Ac

Synonym(s): 13-Acetoxylupanine

Molecular Formula: C₁₇H₂₆N₂O₃

Molecular Weight: 306.404

Accurate Mass: 306.194343

Percentage Composition: C 66.64%; H 8.55%; N 9.14%; O 15.67%

Biological Source: Alkaloid from *Lupinus polyphyllus*, *Lupinus mutabilis* and *Lupinus albus*

Melting Point: Mp 103-105°

>>Derivative: O-Propanoyl

Synonym(s): 13-Propanoyloxylupanine. 13-Propyloxylupanine (incorr.)

CAS Registry Number: 118636-92-3

Molecular Formula: C₁₈H₂₈N₂O₃

Molecular Weight: 320.431

Accurate Mass: 320.209993

Percentage Composition: C 67.47%; H 8.81%; N 8.74%; O 14.98%

Biological Source: Alkaloid detected in *Lupinus polyphyllus*, *Lupinus mutabilis*, *Lupinus angustifolius* and *Lupinus albus*

>>Derivative: O-Butanoyl

Synonym(s): 13-Butyryloxylupanine

CAS Registry Number: 118636-94-5

Molecular Formula: C₁₉H₃₀N₂O₃

Molecular Weight: 334.458

Accurate Mass: 334.225643

Percentage Composition: C 68.23%; H 9.04%; N 8.38%; O 14.35%

Biological Source: Alkaloid detected in *Lupinus polyphyllus*, *Lupinus mutabilis*, *Lupinus angustifolius* and *Lupinus albus*