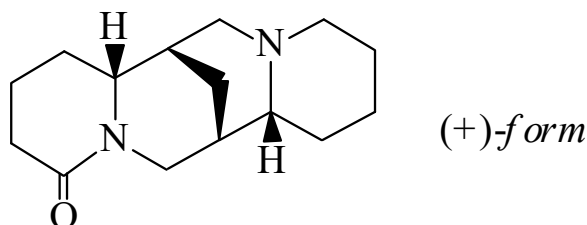




>>Entry Name: α -Isolupanine

Synonym(s): 11-Isolupanine. Tetrahydrothermopsine. Alkaloid P7



Molecular Formula: C₁₅H₂₄N₂O

Molecular Weight: 248.367

Accurate Mass: 248.188863

Percentage Composition: C 72.54%; H 9.74%; N 11.28%; O 6.44%

>>Variant: (+)-form

CAS Registry Number: 486-87-3

Molecular Formula: C₁₅H₂₄N₂O

Molecular Weight: 248.367

Accurate Mass: 248.188863

Percentage Composition: C 72.54%; H 9.74%; N 11.28%; O 6.44%

Biological Source: Alkaloid from *Lupinus sericeus*, *Lupinus mutabilis*, *Lupinus leontopetalum* tubers and *Lupinus caudatus* (Leguminosae)

Physical Description: Rectangular plates

Melting Point: Mp 75-76°. Mp 83-84° (dimorph.)

Optical Rotation: $[\alpha]_D^{23} +65.9$ (c, 1.495 in EtOH)

>>Derivative: Perchlorate

Physical Description: Cryst. (MeOH)

Melting Point: Mp 248-249°

>>Derivative: Picrate

Physical Description: Long yellow needles (EtOH)

Melting Point: Mp 197-198°

>>Variant: (–)-form

Molecular Formula: C₁₅H₂₄N₂O

Molecular Weight: 248.367

Accurate Mass: 248.188863

Percentage Composition: C 72.54%; H 9.74%; N 11.28%; O 6.44%

Source/Synthesis: By hydrogenation of [BBW31-F](#)

Melting Point: Mp 75-76°

References:

Marion, L. *et al.*, *Can. J. Chem.*, 1951, **29**, 22; 1953, **31**, 181, (*isol, ir, struct*)

Baranowski, P. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1966, **40**, 73, (*synth*)

Wiewiorowski, M. *et al.*, *Can. J. Chem.*, 1967, **45**, 1447, (*ir, pmr, conformn*)

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Vul'fson, N.S. *et al.*, *Khim. Geterotsikl. Soedin.*, 1974, 251, (*ms*)

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