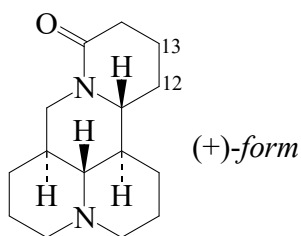




>>Entry Name: Allomatrine



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%

General Statement: Stereoisomer of Matrine [CGG87-S](#), Isomatrine [CCV58-F](#), Sophoridine [CHH69-A](#) and Darvasamine [GPT56-Y](#)

>>Variant: (+)-form

CAS Registry Number: 641-39-4

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: Obt. by isomerisation of Matrine [CGG87-S](#)

Melting Point: Mp 103-105°

Optical Rotation: [α]_D²⁵ +77.9

Other Data: Incorr. stated by Ibragimov *et al* (1979) to have been isol. by Ueno *et al* from *Sophora flavescens*. This was Isomatrine

>>Derivative: Methiodide

Other Data: Dec. at 315°

>>Derivative: Picrate

Melting Point: Mp 177°

>>Variant: (–)-form

Synonym(s): Leontine‡, Isoleontine

CAS Registry Number: 6783-60-4

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 *Leontice eversmannii* and *Leontice darvasica* (Leonticaceae)

Melting Point: Mp 107-108°

Boiling Point: Bp₃ 175-190°

Optical Rotation: [α]_D –78.2 (EtOH)

Other Data: The original isolate of Leontine from *L. eversmannii* (Yunusov, 1949) was opt. inactive. It may have been the (±)-form, or a different alkaloid. Platonova *et al* (1953) isolated the (–)-form, which they called Isoleontine, but later workers used the name Leontine for the (–)-form

>>Derivative: Perchlorate

Melting Point: Mp 252°

>>Derivative: Methiodide

Melting Point: Mp 297°