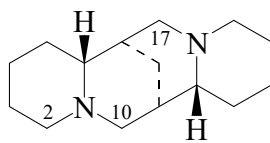




>>Entry Name: β -Isosparteine

Synonym(s): Spartalupine. Pusilline. Spathulatine. Nonalupine



(-)-form

Related CAS Registry Numbers(s): 24915-04-6

Molecular Formula: $C_{15}H_{26}N_2$

Molecular Weight: 234.384

Accurate Mass: 234.209598

Percentage Composition: C 76.87%; H 11.18%; N 11.95%

different compd. (semisynthetic). For the naturally occurring alkaloid the name Spartalupine has historical precedence, but β -Isosparteine is preferred as being more descriptive. Nonalupine was actually a hydrate of β -Isosparteine and Spathulatine was its hydrochloride

>>Variant: (+)-form

Molecular Formula: $C_{15}H_{26}N_2$

Molecular Weight: 234.384

Accurate Mass: 234.209598

Percentage Composition: C 76.87%; H 11.18%; N 11.95%

Source/Synthesis: From (-)-Sparteine by epimerisation

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{32} +15.8$ (c, 1.25 in EtOH)

Other Data: Air-sensitive

>>Variant: (-)-form

CAS Registry Number: 492-06-8

Molecular Formula: $C_{15}H_{26}N_2$

Molecular Weight: 234.384

Accurate Mass: 234.209598

Percentage Composition: C 76.87%; H 11.18%; N 11.95%

Biological Source: Alkaloid from *Lupinus argenteus stenophyllus*, *Lupinus solosericeus*, *Sophora secundiflora* (Leguminosae)

Use/Importance: Forms metal complexes

Melting Point: Mp 32-32.5°

Boiling Point: Bp_{0.03} 110°

Optical Rotation: $[\alpha]_D^{25} -15.4$ (EtOH)

>>Derivative: Perchlorate

Melting Point: Mp 216° (211.5-212°)

>>Derivative: Perchlorate (1:2)

Physical Description: Small stout prisms (MeOH)

Melting Point: Mp 247-249 dec.°

>>Derivative: Dipicrate

Melting Point: Mp 133-133.5°

>>Variant: ($\pm$)-form

Molecular Formula: $C_{15}H_{26}N_2$

Molecular Weight: 234.384

Accurate Mass: 234.209598

Percentage Composition: C 76.87%; H 11.18%; N 11.95%

>>Derivative: Dipicrate

Melting Point: Mp 220.5-221 dec.°

>>Variant: (ξ)-form