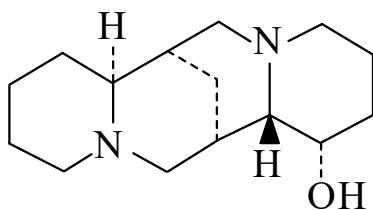




>>Entry Name: Retamine

Synonym(s): 12 α -Hydroxysparteine



Absolute
configuration

CAS Registry Number: 2122-29-4

Molecular Formula: C₁₅H₂₆N₂O

Molecular Weight: 250.383

Accurate Mass: 250.204513

Percentage Composition: C 71.96%; H 10.47%; N 11.19%; O 6.39%

Biological Source: Alkaloid from *Genista sphaerocarpa*, *Genista junceum* and most *Genista* spp. (Leguminosae)

Use/Importance: Powerful hypotensive agent

Melting Point: Mp 166°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +46.2$ (c, 1.02 in EtOH)

References:

Battandier, J. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1897, **125**, 360; 450, (*isol*)

Fraga, F. *et al.*, *Tetrahedron*, 1960, **11**, 78, (*isol, ir*)

Bohlmann, F. *et al.*, *Chem. Ber.*, 1965, **98**, 659, (*struct*)

Shin, K.H. *et al.*, *Can. J. Chem.*, 1965, **43**, 2012, (*struct, synth, abs config*)

Neuner-Jehle, N. *et al.*, *Monatsh. Chem.*, 1967, **98**, 836, (*ms*)

Bohlmann, F. *et al.*, *Chem. Ber.*, 1975, **108**, 1043, (*cmr*)