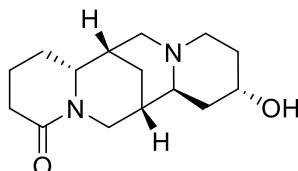


Hydroxylupanine

Code No.: **BIA-H1961**

Pack sizes: **1 mg, 5 mg**



Synonyms : (+)-13-Hydroxylupanine, (+)-13 α -Hydroxylupanine, 13-Hydroxylupanine, 13-Hydroxylupanine, 13 α -Hydroxy-2-oxosparteine, 13 α -Hydroxylupanine, Hydroxylupanine, Hydroxylupanine, NSC 70827, Oxylupanine

Specifications

CAS # : **15358-48-2**
Molecular Formula : **C₁₅H₂₄N₂O₂**
Molecular Weight : **264.36**
Source : ***Lupinus polyphyllus***
Appearance : **Tan solid**
Purity : **>95% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in methanol or DMSO**

Application Notes

Hydroxylupanine (octalupine) is a quinolizidine alkaloid derived from *Lupinus polyphyllus*. Extracts of *Lupinus angustifolius* L. containing 13-hydroxylupanine show significant activity against *B. subtilis*, *S. aureus* and *P. aeruginosa* and moderate or weak activity against *C. albicans*, *K. krusei* and *E. coli*. Hydroxylupanine inhibits transmission in the involuntary ganglia. In tests with isolated frog heart, hydroxylupanine arrested cardiac action in the diastole when applied in relatively high doses (>10 mg/kg) and diminished coronary flow, amplitude of contractions, and the rate of cardiac action.

References

1. The papilionaceous alkaloids. XIII. Identity of octalupine with hydroxylupanine. Lo M. & Bryce D. Can J Chem, 1951, 29.
2. Alkaloid profile and antimicrobial activity of *Lupinus angustifolius* L. alkaloid extract. Erdemoglu N. et al. Phytochem Rev. 2007, 6, 197.
3. Pharmacology of lupanine and 13-hydroxylupanine. Mazur M. et al. Acta Physiologica Polonica 1966, 17, 299.