



Formula: C₁₅H₂₄N₂O

MW: 248.37

CAS: 519-02-8

MDL: MFCD07190068

TNP: TNP00342

alpha-matrine; SOPHOCARPIDINE; (+)-MATRINE; MATRINE; MATRINIUM; MATRENE;
Alkaloids Sophora Flavescen; Matrines



LogP: 1.44

LogS:

Acceptors: 1

Donors: 0

Rotation Bonds: 0

Chiral Centers: 4

N+O: 3

LIPINSKY: 4

IUPAC: (1R,9R,17R)-7,13-diazatetracyclo[7.7.1.0.0]heptadecan-6-one

Smiles: C1CC[C@H]2(C3CCCC(=O)N3C[C@@H]3[C@@H]2(N1CCC3))

Physiol Action: Matrine is an alkaloid that is one of the major components in the root of the saphoro plant. Matrine has been studied for possible antiviral efficacy against hepatitis B and C, as well as impact against some skin diseases and forms of cancer.

SOURCE: Occurs naturally as (+)-form in Plant Sophora Flavescens

Specification: Miscellaneous Natural Products; Natural Plant Extract Matrine Chemical Properties:

mp 77 C bp 86-88C/2,5Torr density 1,191g/cm refractive index 1,536 CAS DataBase Reference 519-02-8 (CAS DataBase Reference) NIST Chemistry Reference Matrine (519-02-8) Safety Information Hazard Codes Xn Risk Statements 20/21/22-37/38-41-48 Safety Statements 22-26-36/37/39-45 Matrine Usage And Synthesis Matrine