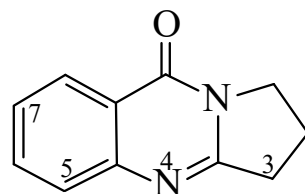




>>Entry Name: 2,3-Dihydropyrrolo[2,1-*b*]quinazolin-9(1*H*)-one, 9Cl

Synonym(s): Deoxyvasicinone



CAS Registry Number: 530-53-0

Molecular Formula: C₁₁H₁₀N₂O

Molecular Weight: 186.213

Accurate Mass: 186.079313

Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%

Biological Source: Major alkaloid from the foliage of *Peganum nigellastrum*. Also present in *Mackinlaya macrosciadia*, the seeds and above-ground parts of *Peganum harmala* and the roots of *Adhatoda vasica* (Zygophyllaceae, Araliaceae, Acanthaceae)

Use/Importance: Claimed to show cholinergic activity

Physical Description: Needles (C₆H₆/petrol)

Melting Point: Mp 110-111°

UV: [neutral] λ_{max} 206 (ε 32260); 224 (ε 34670); 256 (ε 9550); 302 (ε 4790); 313 (ε 3980) (MeOH) (Berdy)

>>Derivative: N⁴-Oxide

Synonym(s): Deoxyvasicinone N-oxide

CAS Registry Number: 168781-18-8

Molecular Formula: C₁₁H₁₀N₂O₂

Molecular Weight: 202.212

Accurate Mass: 202.074228

Percentage Composition: C 65.34%; H 4.98%; N 13.85%; O 15.82%

Biological Source: Alkaloid from above-ground parts of *Nitraria komarovii* (Zygophyllaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 152-153°

>>Derivative: 9-Alcohol

Synonym(s): 1,2,3,9-Tetrahydropyrrolo[2,1-*b*]quinazolin-9-ol. **Peganol**. 9-Hydroxydeoxypeganine

CAS Registry Number: 36101-54-9

Molecular Formula: C₁₁H₁₂N₂O

Molecular Weight: 188.229

Accurate Mass: 188.094963

Percentage Composition: C 70.19%; H 6.43%; N 14.88%; O 8.50%

Biological Source: Alkaloid from *Peganum harmala* (Zygophyllaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 178-180°

>>Derivative: 2,3-Didehydro, 9-alcohol

Synonym(s): 9-Hydroxy-2,3-dehydrodeoxypeganine

CAS Registry Number: 119459-56-2

Molecular Formula: C₁₁H₁₀N₂O

Molecular Weight: 186.213

Accurate Mass: 186.079313

Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%

Biological Source: Alkaloid from aerial parts of *Galium aparine* collected at the flowering period

Physical Description: Amorph.

Optical Rotation: [α]_D -44

>>Derivative: 3-Hydroxy

see Vasicinone, [CHF21-W](#)