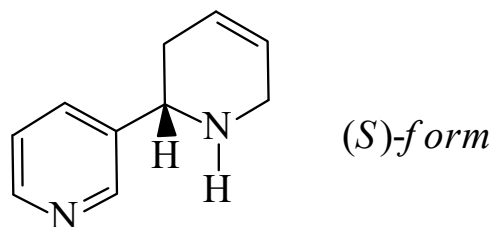




>>Entry Name: 1,2,3,6-Tetrahydro-2,3'-bipyridine, 9Cl

Synonym(s): Anatabine



Molecular Formula: C₁₀H₁₂N₂

Molecular Weight: 160.218

Accurate Mass: 160.100048

Percentage Composition: C 74.97%; H 7.55%; N 17.48%

>>Variant: (R)-form

CAS Registry Number: 126454-22-6

Molecular Formula: C₁₀H₁₂N₂

Molecular Weight: 160.218

Accurate Mass: 160.100048

Percentage Composition: C 74.97%; H 7.55%; N 17.48%

Use/Importance: Synthetic

Physical Description: Oil

Optical Rotation: [α]_D +156 (c, 1.6 in CHCl₃)

>>Variant: (S)-form

CAS Registry Number: 581-49-7

Molecular Formula: C₁₀H₁₂N₂

Molecular Weight: 160.218

Accurate Mass: 160.100048

Percentage Composition: C 74.97%; H 7.55%; N 17.48%

Biological Source: Alkaloid from *Nicotiana tabacum*, *Nicotiana glutinosa* and *Duboisia hopwoodii*. Second most abundant alkaloid after Nicotine in most tobacco varieties (Solanaceae)

Boiling Point: Bp₁₀ 145-156°

Optical Rotation: [α]_D¹⁷ -177.8 (neat)

Refractive Index: n_D²⁰ 1.5676

>>Derivative: Picrate

Melting Point: Mp 191-193°

>>Derivative: N-Benzoyl

Molecular Formula: C₁₇H₁₆N₂O

Molecular Weight: 264.326

Accurate Mass: 264.126263

Percentage Composition: C 77.25%; H 6.10%; N 10.60%; O 6.05%

Boiling Point: Bp_{0.01} 160-170°

Optical Rotation: [α]_D¹⁵ -15.4 (MeOH)

>>Derivative: N-Me

Synonym(s): N-Methylanatabine

CAS Registry Number: 5953-51-5

Molecular Formula: C₁₁H₁₄N₂

Molecular Weight: 174.245

Accurate Mass: 174.115698

Percentage Composition: C 75.82%; H 8.10%; N 16.08%

Biological Source: Minor alkaloid from *Nicotiana tabacum* (Solanaceae)

Physical Description: Oil

Boiling Point: Bp₁ 120°

Optical Rotation: [α]_D¹⁸ -17.4 (MeOH)