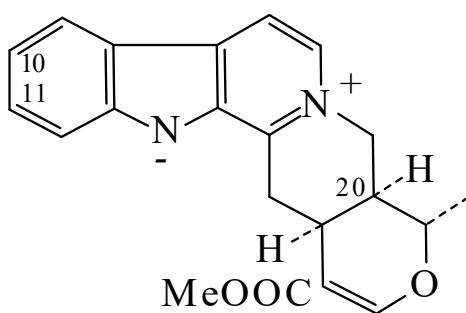




>>Entry Name: Alstonine



CAS Registry Number: 47485-83-6

Related CAS Registry Numbers(s): 642-18-2

Molecular Formula: C₂₁H₂₀N₂O₃

Molecular Weight: 348.401

Accurate Mass: 348.147393

Percentage Composition: C 72.40%; H 5.79%; N 8.04%; O 13.78%

Biological Source: Alkaloid from *Alstonia constricta*, *Rauwolfia obscura*, *Rauwolfia volkensii*, *Rauwolfia nitida*, *Rauwolfia serpentina*, *Vinca rosea* and *Strychnos gossweileri* (Apocynaceae, Strychnaceae)

Use/Importance: Shows neoplasm-inhibiting props.

Melting Point: Mp 205-210 dec.°

UV: [neutral] $\lambda_{\max}$ 252 (); 289 (); 309 (); 336 (); 369 () (MeOH) (Berdy)

Other Data: The early history of alkaloids called Alstonine is confused

>>Derivative: Hydrochloride

Melting Point: Mp 278-279 dec.°

>>Derivative: Nitrate

Melting Point: Mp 252-254 dec.°

>>Derivative: Hydroiodide

Melting Point: Mp 270 dec.°

>>Derivative: Perchlorate

Melting Point: Mp 239-240°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +154$ (Me₂CO)

>>Derivative: 10,11-Dimethoxy

Synonym(s): Bleckerine. 10,11-Dimethoxyalstonine

CAS Registry Number: 41758-43-4

Molecular Formula: C₂₃H₂₄N₂O₅

Molecular Weight: 408.453

Accurate Mass: 408.168523

Percentage Composition: C 67.63%; H 5.92%; N 6.86%; O 19.59%

Biological Source: Alkaloid from the stem bark of *Bleekeria vitiensis* (Apocynaceae)

Physical Description: Pale-yellow prisms (EtOH)

Melting Point: Mp 276-277°

Optical Rotation: $[\alpha]_{\text{Hg}}^{22.5} +612$ (MeOH)

>>Derivative: 20-Epimer

see Serpentine, [CCC44-H](#)

References: