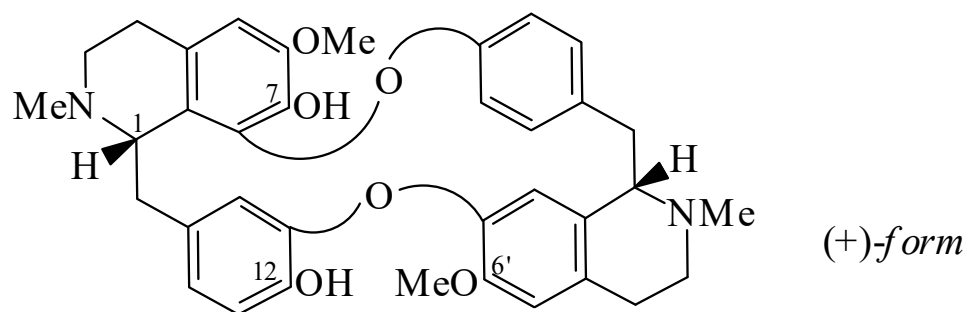




>>Entry Name: Curine

Synonym(s): Bebeerine. Chondodendrine. **Aristolochine**†. Pelosine



Molecular Formula: C₃₆H₃₈N₂O₆

Molecular Weight: 594.706

Accurate Mass: 594.272988

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

General Statement: Diastereoisomeric with Chondocurine [CFP60-R](#)

Biological Use/Importance: Antimalarial agent. Shows muscle relaxant props.

Calculated Log P Data: Log P 7.58 (uncertain value) (calc)

>>Variant: (+)-form

Molecular Formula: C₃₆H₃₈N₂O₆

Molecular Weight: 594.706

Accurate Mass: 594.272988

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

Biological Source: Alkaloid from *Chondodendron candicans* and *Chondodendron microphyllum* (Menispermaceae) and *Radix pareirae* bravae

Physical Description: Cryst. (MeOH)

Melting Point: Mp 215°

Optical Rotation: $[\alpha]_{\text{Hg}}^{20} +345.7$ (c, 0.4 in 1M HCl)

>>Derivative: Hydrochloride (1:2)

Melting Point: Mp 271° (259-260°)

>>Derivative: *O*⁷-Me; nitrate (1:2)

Physical Description: Needles + 1H₂O (H₂O)

Melting Point: Mp 225 dec.°

>>Variant: (–)-form

CAS Registry Number: 436-05-5

Molecular Formula: C₃₆H₃₈N₂O₆

Molecular Weight: 594.706

Accurate Mass: 594.272988

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

Biological Source: Alkaloid from *Aristolochia indica*, *Chondodendron platyphyllum*, *Chondodendron tomentosum*, *Chondodendron toxicoferum*, *Cissampelos pareira*, *Isolona pilosa*, *Pleogyne cunninghamii*, *Radix pareirae* bravae, *Paracyclea ochiaiana*, *Cyclea barbata*, *Cyclea hainanensis* and *Stephania epigaeae* (Aristolochiaceae, Menispermaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 213-214° (C₆H₆ solvate 165-166°)

Optical Rotation: $[\alpha]_{\text{D}}^{23} -284$ (c, 0.34 in CHCl₃). $[\alpha]_{\text{D}}^{23} -331$ (c, 0.4 in Py). $[\alpha]_{\text{D}}^{23} -286$ (c, 0.4 in 0.1M HCl)

Other Data: More pharmacol. active isomer

Sigma: B0152