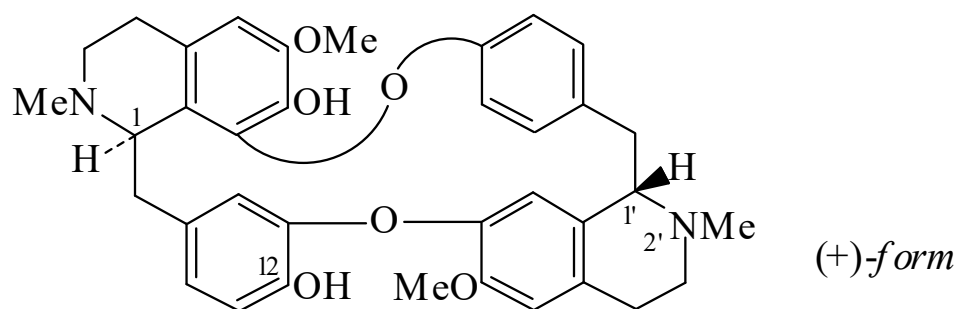




>>Entry Name: Chondocurine

Synonym(s): Tubocurine. Chondrocurine



Related CAS Registry Numbers(s): 22260-42-0

Molecular Formula: $C_{36}H_{38}N_2O_6$

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 Curine [HKP25-W](#)

>>Variant: (+)-form

CAS Registry Number: 477-58-7

Molecular Formula: $C_{36}H_{38}N_2O_6$

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 the stem and bark of *Chondodendron tomentosum* and from the roots of *Cyclea madagascariensis* (Menispermaceae)

Use/Importance: Antiinflammatory props. Hepatoprotective in mice

Melting Point: Mp 232-234°

Optical Rotation: $[\alpha]_D^{24} +105$ (c, 0.9 in Py). $[\alpha]_D^{18} +173$ (c, 0.5 in $CHCl_3$). $[\alpha]_D^{24} +200$ (c, 0.5 in 0.1M HCl)

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

>>Derivative: N-Me

see Tubocurarine(2+), [BCJ22-X](#)

>>Derivative: Di-Me ether; methiodide (1:2)

Synonym(s): Metocurine iodide, USAN. Metubine iodide. Auxoperan. Curane B. Diamethine. Mecostrin

CAS Registry Number: 7601-55-0

Molecular Formula: $C_{40}H_{48}I_2N_2O_6$

Molecular Weight: 906.638

Accurate Mass: 906.160184

Percentage Composition: C 52.99%; H 5.34%; I 27.99%; N 3.09%; O 10.59%

Use/Importance: Skeletal muscle relaxant

Melting Point: Mp 266°

Optical Rotation: $[\alpha]_D^{24} +160$ (H_2O)

Hazard & Toxicity: LD₅₀ (rat, ipr) 0.37 mg/kg

>>Derivative: 2'-N-De-Me

Synonym(s): Nor-N^b-chondocurine

Molecular Formula: $C_{35}H_{36}N_2O_6$

Molecular Weight: 580.679

Accurate Mass: 580.257338

Percentage Composition: C 72.40%; H 6.25%; N 4.82%; O 16.53%

Biological Source: Alkaloid from Peruvian curare (Menispermaceae)

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 159-161°

Optical Rotation: $[\alpha]_D^{20} -242$ (c, 0.5 in $CHCl_3$)