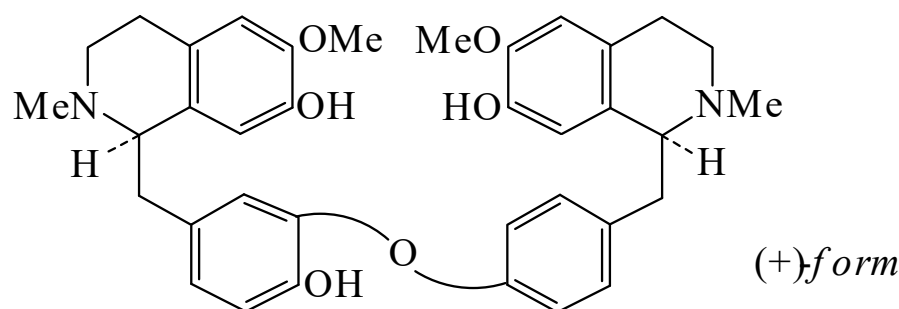




>>Entry Name: Berbamunine



Molecular Formula: C₃₆H₄₀N₂O₆

Molecular Weight: 596.722

Accurate Mass: 596.288638

Percentage Composition: C 72.46%; H 6.76%; N 4.69%; O 16.09%

>>Variant: (+)-form

CAS Registry Number: 485-18-7

Molecular Formula: C₃₆H₄₀N₂O₆

Molecular Weight: 596.722

Accurate Mass: 596.288638

Percentage Composition: C 72.46%; H 6.76%; N 4.69%; O 16.09%

Biological Source: Alkaloid from *Berberis amurensis*, *Berberis integerrima* and *Berberis oblonga* (Berberidaceae)

Physical Description: Cryst. (Et₂O/Me₂CO)

Melting Point: Mp 190-191°

Optical Rotation: [α]_D +87

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

Melting Point: Mp 179-182 dec.°

>>Derivative: N-De-Me

Synonym(s): 2-Norberbamunine

Molecular Formula: C₃₅H₃₈N₂O₆

Molecular Weight: 582.695

Accurate Mass: 582.272988

Percentage Composition: C 72.14%; H 6.57%; N 4.81%; O 16.47%

Biological Source: Alkaloid from callus cultures of *Berberis stolonifera*, *Berberis beaniana*, *Berberis giraldii*, *Berberis julianae*, *Berberis papillifera*, *Berberis taliensis*, *Berberis turcomanica* and *Berberis wilsonae* (Berberidaceae)

>>Variant: (–)-form

Synonym(s): Magnoline. Grisabutine

CAS Registry Number: 6859-66-1

Molecular Formula: C₃₆H₄₀N₂O₆

Molecular Weight: 596.722

Accurate Mass: 596.288638

Percentage Composition: C 72.46%; H 6.76%; N 4.69%; O 16.09%

Biological Source: Alkaloid from the stems of *Abuta grisebachii* (Menispermaceae) and leaves of *Magnolia fuscata* (Magnoliaceae)

Physical Description: Cryst. (MeOH or EtOH)

Melting Point: Mp 178-179°. Mp 192-193°

Optical Rotation: [α]_D –50 (c, 0.5 in CHCl₃)

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