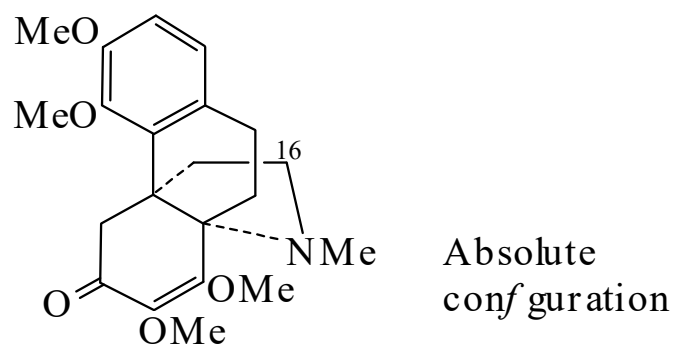




>>Entry Name: Hasubanonine

Synonym(s): 7,8-Didehydro-3,4,7,8-tetramethoxy-17-methylhasubanan-6-one, 9Cl. *O*-Methylaknadinine



Molecular Formula: C₂₁H₂₇NO₅

Molecular Weight: 373.448

Accurate Mass: 373.188924

Percentage Composition: C 67.54%; H 7.29%; N 3.75%; O 21.42%

>>Variant: (-)-form

CAS Registry Number: 1805-85-2

Molecular Formula: C₂₁H₂₇NO₅

Molecular Weight: 373.448

Accurate Mass: 373.188924

Percentage Composition: C 67.54%; H 7.29%; N 3.75%; O 21.42%

Biological Source: Alkaloid from *Stephania japonica*, *Stephania japonica* var. *australis* and *Stephania elegans* (Menispermaceae)

Melting Point: Mp 116-117°

Optical Rotation: [α]_D²⁷ -214 (c, 2.0 in MeOH)

>>Derivative: Hydrochloride

Physical Description: Needles (CHCl₃/Et₂O)

Melting Point: Mp 210-211°

Optical Rotation: [α]_D²⁸ -133 (c, 1.14 in MeOH)

>>Derivative: Oxalate

Physical Description: Needles (MeOH/Et₂O)

Melting Point: Mp 192-193°

Optical Rotation: [α]_D³² -134 (c, 0.82 in MeOH)

>>Derivative: Methiodide

Physical Description: Prisms (MeOH/Et₂O or MeOH aq.)

Melting Point: Mp 178° (171-173°)

Optical Rotation: [α]_D²⁷ -61 (c, 0.28 in MeOH)

>>Derivative: 16-Oxo

Synonym(s): **16-Oxohasubanonine**. 7,8-Didehydro-3,4,7,8-tetramethoxy-17-methylhasubanan-6,16-dione, 9Cl

CAS Registry Number: 51804-70-7

Molecular Formula: C₂₁H₂₅NO₆

Molecular Weight: 387.432

Accurate Mass: 387.168189

Percentage Composition: C 65.10%; H 6.50%; N 3.62%; O 24.78%

Biological Source: Minor alkaloid from the stems and rhizomes of *Stephania japonica* (Menispermaceae)

Physical Description: Prisms (C₆H₆/Et₂O)

Melting Point: Mp 161°

Optical Rotation: [α]_D²³ -105.2 (c, 0.5 in CHCl₃)