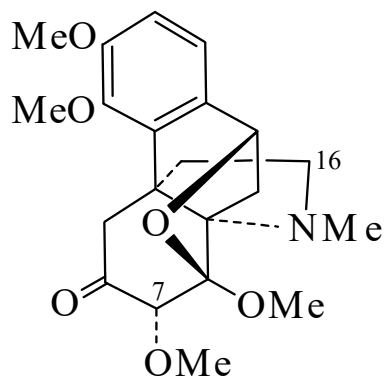




>>Entry Name: Stephamiersine

Synonym(s): 8,10-Epoxy-3,4,7,8-tetramethoxy-17-methylhasubanan-6-one, 9Cl



CAS Registry Number: 52309-76-9

Molecular Formula: $C_{21}H_{27}NO_6$

Molecular Weight: 389.447

Accurate Mass: 389.183839

Percentage Composition: C 64.77%; H 6.99%; N 3.60%; O 24.65%

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

Physical Description: Prisms (MeOH)

Melting Point: Mp 165°

Optical Rotation: $[\alpha]_D^{20} +33$ (c, 1.28 in $CHCl_3$)

>>Derivative: Hydroiodide

Physical Description: Cryst. + $\frac{1}{2}$ H_2O (MeOH)

Melting Point: Mp 253 dec.°

>>Derivative: Nitrate

Physical Description: Cryst. (MeOH)

Melting Point: Mp 240 dec.°

>>Derivative: 7-Epimer

Synonym(s): Epistephamiersine

CAS Registry Number: 52389-15-8

Molecular Formula: $C_{21}H_{27}NO_6$

Molecular Weight: 389.447

Accurate Mass: 389.183839

Percentage Composition: C 64.77%; H 6.99%; N 3.60%; O 24.65%

Biological Source: Alkaloid from stems and rhizomes of *Stephania japonica* (Menispermaceae)

Physical Description: Prisms (MeOH)

Melting Point: Mp 98°

Optical Rotation: $[\alpha]_D^{20} +64.1$ (c, 1.12 in $CHCl_3$)

>>Derivative: 7-Epimer; hydroiodide

Physical Description: Cryst. (MeOH)

Melting Point: Mp 217 dec.°

>>Derivative: 7-Epimer; nitrate

Physical Description: Cryst. (MeOH)

Melting Point: Mp 212 dec.°

>>Derivative: 7-Epimer; methiodide

Physical Description: Cryst. (MeOH)

Melting Point: Mp 181 dec.°

>>Derivative: 7-Epimer, oxime

Physical Description: Cryst. (EtOH)

Melting Point: Mp 141°