



Synonym(s): Oxostephamiersine. 8,10-Epoxy-3,4,7,8-tetramethoxy-17-methylhasubanan-6,16-dione, 9Cl

CAS Registry Number: 52466-83-8

Molecular Formula: C₂₁H₂₅NO₇

Molecular Weight: 403.431

Accurate Mass: 403.163104

Percentage Composition: C 62.52%; H 6.25%; N 3.47%; O 27.76%

Biological Source: Alkaloid from leaves, stems and rhizomes of *Stephania japonica*, and from *Stephania japonica* var. *australis* (Menispermaceae)

Physical Description: Prisms (MeOH)

Melting Point: Mp 256°. Mp 290° (dimorph.)

Optical Rotation: $[\alpha]_D^{27} +88.25$ (c, 1.87 in CHCl₃)

>>**Derivative:** 16-Oxo, oxime

Physical Description: Cryst. (EtOH)

Melting Point: Mp 265 dec.°

>>**Derivative:** 16-Oxo, 7-epimer

Synonym(s): Oxoepistephamiersine

CAS Registry Number: 51804-68-3

Molecular Formula: C₂₁H₂₅NO₇

Molecular Weight: 403.431

Accurate Mass: 403.163104

Percentage Composition: C 62.52%; H 6.25%; N 3.47%; O 27.76%

Biological Source: Alkaloid from roots of *Stephania japonica* (Menispermaceae)

Physical Description: Light-yellow prisms (MeOH)

Melting Point: Mp 228°

Optical Rotation: $[\alpha]_D^{13} +104.88$ (c, 1.0 in CHCl₃)

References:

Matsui, M. *et al.*, *Chem. Pharm. Bull.*, 1975, **23**, 1323, (*isol, uv, ir, pmr, ms, struct*)

Matsui, M. *et al.*, *Phytochemistry*, 1979, **18**, 1087, (*isol, Oxostephamiersine*)

Matsui, M. *et al.*, *J. Nat. Prod.*, 1982, **45**, 247, (*cmr*)

Matsui, M. *et al.*, *J. Nat. Prod.*, 1982, **45**, 497; 1984, **47**, 858, (*isol, uv, ir, pmr, ms, Oxostephamiersine, Oxoepistephamiersine*)