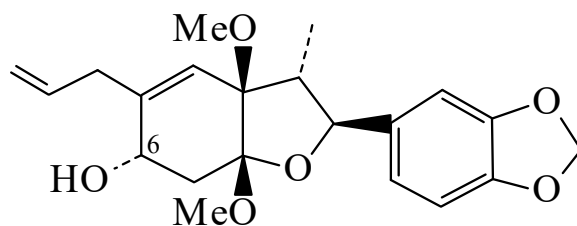




>>Entry Name: Kadsurin B

Synonym(s): Schmiditin



CAS Registry Number: 99257-52-0

Molecular Formula: C₂₁H₂₆O₆

Molecular Weight: 374.433

Accurate Mass: 374.17294

Percentage Composition: C 67.36%; H 7.00%; O 25.64%

Biological Source: Constit. of *Piper futokadsura* and *Piper schmidtii*

Physical Description: Cryst.

Melting Point: Mp 101-102°

Optical Rotation: $[\alpha]_D^{22} -18.5$

Other Data: Struct. of Schmiditin revised in 1995

>>Derivative: 6-Ketone

Synonym(s): Kadsurin A‡

CAS Registry Number: 99340-07-5

Molecular Formula: C₂₁H₂₄O₆

Molecular Weight: 372.417

Accurate Mass: 372.15729

Percentage Composition: C 67.73%; H 6.50%; O 25.78%

Biological Source: From *Piper futokadsura*

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{22} -101$

>>Derivative: 6-Ketone, 3-epimer

CAS Registry Number: 155418-00-1

Molecular Formula: C₂₁H₂₄O₆

Molecular Weight: 372.417

Accurate Mass: 372.15729

Percentage Composition: C 67.73%; H 6.50%; O 25.78%

Biological Source: Constit. of *Piper wightii*

Physical Description: Viscous yellow oil

Optical Rotation: $[\alpha]_D^{24} +60.7$ (c, 0.2 in CHCl₃)

Other Data: Relative config. only known

References:

Chang, M.N. *et al.*, *Phytochemistry*, 1985, **24**, 2079

Tyagi, O.D. *et al.*, *Phytochemistry*, 1993, **32**, 439, (*isol, pmr, cmr*)

Tyagi, O.D. *et al.*, *Acta Chem. Scand.*, 1995, **49**, 142, (*Schmiditin*)

Koul, J.L. *et al.*, *Phytochemistry*, 1996, **41**, 1097, (*isol, uv, ir, pmr, cmr*)

Boll, P.M. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1996, **115**, 9-12, (*3-epimer, 6-ketone*)