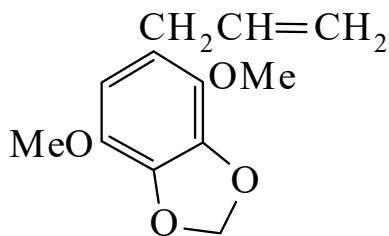




>>Entry Name: Apiole

Synonym(s): 4,7-Dimethoxy-5-(2-propenyl)-1,3-benzodioxole, 9CI. 2,5-Dimethoxy-3,4-methylenedioxy-1-allylbenzene. Parsley apiole. Parsley camphor



CAS Registry Number: 523-80-8

Molecular Formula: C₁₂H₁₄O₄

Molecular Weight: 222.24

Accurate Mass: 222.08921

Percentage Composition: C 64.85%; H 6.35%; O 28.80%

Biological Source: Occurs in *Petroselinum* spp., *Heracleum pyrenaicum*, *Sassafras albidum* and *Anethum graveolens*

Use/Importance: Antipyretic, diuretic, insecticide agent

Physical Description: Needles

Melting Point: Mp 30°

Boiling Point: Bp 294°. Bp₃₃ 179°

Density: d₄²⁰ 1.015

Calculated Log P Data: Log P 2.5 (calc)

UV: [neutral] λ_{max} 280 () (no solvent reported)

Other Data: 2 unstable modifications Mps. 18° and 27.5°

References:

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Sethi, M.L. *et al.*, *Phytochemistry*, 1976, **15**, 1773, (*isol*)

Goeckeritz, D. *et al.*, *Pharmazie*, 1979, **34**, 426, (*isol*)

Santos, B.V. de O. *et al.*, *Phytochemistry*, 1998, **49**, 1381-1384, (*isol, uv, pmr, cmr*)

Benevides, P.J.C. *et al.*, *Phytochemistry*, 1999, **52**, 339-343, (*isol, pmr*)

Atta-ur-Rahman *et al.*, *Phytochemistry*, 1999, **52**, 495-499, (*isol, pmr, ms*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AGE500