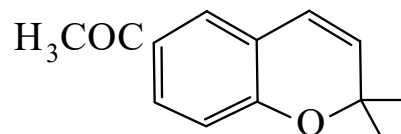




>>Entry Name: 6-Acetyl-2,2-dimethyl-2H-1-benzopyran

Synonym(s): 1-(2,2-Dimethyl-2H-1-benzopyran-6-yl)ethanone, 9Cl. 6-Acetyl-2,2-dimethyl-3-chromene. Demethoxyencecalin



CAS Registry Number: 19013-07-1

Molecular Formula: C₁₃H₁₄O₂

Molecular Weight: 202.252

Accurate Mass: 202.09938

Percentage Composition: C 77.20%; H 6.98%; O 15.82%

Biological Source: Constit. of roots of *Helianthella uniflora* and *Helianthus annuus*

Use/Importance: Antifungal agent

Physical Description: Oil

Boiling Point: Bp_{0.05} 95°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 26932-01-4

Melting Point: Mp 230-232 dec.°

>>Derivative: 3,4-Dihydro

Synonym(s): 6-Acetyl-3,4-dihydro-2,2-dimethyl-2H-1-benzopyran. 6-Acetyl-2,2-dimethylchroman

CAS Registry Number: 32333-31-6

Molecular Formula: C₁₃H₁₆O₂

Molecular Weight: 204.268

Accurate Mass: 204.11503

Percentage Composition: C 76.44%; H 7.89%; O 15.67%

Biological Source: Constit. of *Ageratum conyzoides*, *Chromolaena* sp. and *Senecio* sp.

Melting Point: Mp 90-91°

>>Derivative: 1'-Alcohol

Synonym(s): 6-(1-Hydroxyethyl)-2,2-dimethyl-2H-1-benzopyran. α,2,2-Trimethyl-2H-1-benzopyran-6-methanol, 9Cl. Demethoxyencecalinol

CAS Registry Number: 71822-00-9

Molecular Formula: C₁₃H₁₆O₂

Molecular Weight: 204.268

Accurate Mass: 204.11503

Percentage Composition: C 76.44%; H 7.89%; O 15.67%

Biological Source: Constit. of *Baccharis cassinaefolia* and *Helianthus annuus*

Physical Description: Oil

References:

- Arnoue, A. *et al.*, *Tet. Lett.*, 1967, 4201, (*pmr*)
Bohlmann, F. *et al.*, *Chem. Ber.*, 1970, **103**, 90; 1972, **105**, 863, (*isol, pmr, synth*)
Naidu, M.V. *et al.*, *Indian J. Chem., Sect. B*, 1979, **17**, 73, (*synth, pmr, deriv*)
Bohlmann, F. *et al.*, *Phytochemistry*, 1981, **20**, 281, (*isol, ir, pmr, ms, deriv*)
Yamaguchi, S. *et al.*, *Bull. Chem. Soc. Jpn.*, 1984, **57**, 442, (*synth, pmr*)
Varga, E. *et al.*, *Fitoterapia*, 1984, **55**, 307, (*isol*)
Ahluwalia, V.K. *et al.*, *Indian J. Chem., Sect. B*, 1984, **23**, 1124, (*synth, pmr*)
Sato, A. *et al.*, *Biosci., Biotechnol., Biochem.*, 1996, **60**, 664, (*isol, activity*)