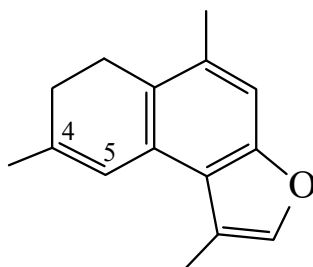




>>Entry Name: Pyrocurzerenone

Synonym(s): 6,7-Dihydro-1,5,8-trimethylnaphtho[2,1-*b*]-furan, 9Cl



CAS Registry Number: 20013-75-6

Molecular Formula: C₁₅H₁₆O

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Biological Source: Constit. of the rhizomes of *Curcuma zedoaria*

Physical Description: Cryst. (petrol)

Melting Point: Mp 76.5-77.5°

UV: [neutral] $\lambda_{\max}$ 233 (log ϵ 4.75); 239 (log ϵ 4.72); 249 (log ϵ 4.62); 283 (log ϵ 4.4); 293 (log ϵ 4.4) (EtOH)

>>Derivative: 4,5-Dihydro

Synonym(s): Dihydropyrocurzerenone

CAS Registry Number: 59462-26-9

Molecular Formula: C₁₅H₁₈O

Molecular Weight: 214.307

Accurate Mass: 214.135765

Percentage Composition: C 84.07%; H 8.47%; O 7.47%

Biological Source: Constit. of *Chloranthus serratus*

Physical Description: Cryst. (petrol)

Melting Point: Mp 65-66°

Optical Rotation: $[\alpha]_D^{17}$ -28 (c, 0.84 in CHCl₃)

References:

Viswanatha, V. *et al.*, *J.C.S. Perkin I*, 1974, 450, (*synth*)

Hikino, H. *et al.*, *J.C.S. Perkin I*, 1975, 478-484, (*isol, struct*)

Takemoto, T. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 531, (*deriv*)

Miyashita, M. *et al.*, *J.O.C.*, 1984, **49**, 3728, (*synth*)