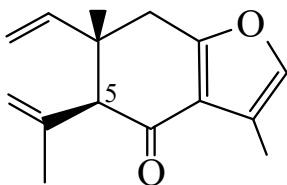




>>Entry Name: Curzerenone

Synonym(s): Zedoarone



CAS Registry Number: 20493-56-5

Related CAS Registry Numbers(s): 19956-58-2

Molecular Formula: C₁₅H₁₈O₂

Molecular Weight: 230.306

Accurate Mass: 230.13068

Percentage Composition: C 78.23%; H 7.88%; O 13.89%

Biological Source: Constit. of *Curcuma zedoaria*

Use/Importance: Shows antineoplastic props.

Physical Description: Oil

Optical Rotation: [α]_D 0

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O

Calculated Log P Data: Log P 3.85 (calc)

UV: [neutral] $\lambda_{\max}$ 272 (log ϵ 3.44) (EtOH) [neutral] $\lambda_{\max}$ 276 (ϵ 5623) (EtOH) (Berdy) [neutral] $\lambda_{\max}$ 264 (ϵ 3550) (hexane) (Berdy)

>>Derivative: 5-Epimer

Synonym(s): 5-Epicurzerenone. 5-*epi*-Curzerenone

CAS Registry Number: 20085-85-2

Molecular Formula: C₁₅H₁₈O₂

Molecular Weight: 230.306

Accurate Mass: 230.13068

Percentage Composition: C 78.23%; H 7.88%; O 13.89%

Biological Source: From *Curcuma zedoaria*

Physical Description: Oil

Optical Rotation: [α]_D 0

UV: [neutral] $\lambda_{\max}$ 220 (log ϵ 3.92); 270 (log ϵ 3.44) (EtOH)

References:

Fukushima, S. *et al.*, *Yakugaku Zasshi*, 1968, **88**, 792-794; 1970, **90**, 863-869, (*isol, pharmacol*)

Hikino, H. *et al.*, *J.C.S. Perkin 1*, 1975, 478-484, (*isol, struct*)

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