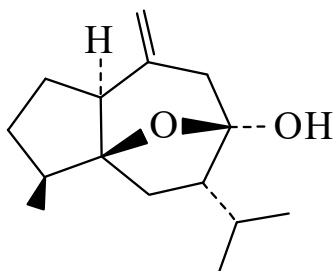




>>Entry Name: Curcumol

Synonym(s): 5,8-Epoxy-10(14)-guaien-8-ol



CAS Registry Number: 4871-97-0

Molecular Formula: C<sub>15</sub>H<sub>24</sub>O<sub>2</sub>

Molecular Weight: 236.353

Accurate Mass: 236.17763

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Biological Source: Constit. of *Curcuma wenyujin* and *Curcuma zedoaria*

Use/Importance: Shows antineoplastic props.

Physical Description: Cryst.

Melting Point: Mp 141-142°

Optical Rotation: [ $\alpha$ ]<sub>D</sub> -32.26 (c, 2.127 in CHCl<sub>3</sub>)

Solubility: BERDY SOL: Poorly sol. hexane

Calculated Log P Data: Log P 3.4 (uncertain value) (calc)

#### References:

Hikino, H. *et al.*, *Chem. Pharm. Bull.*, 1966, **14**, 1241-1249, (*isol, struct*)

Inayama, S. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 3783-3786, (*cryst struct, abs config*)

Harimaya, K. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 843, (*isol, pmr, cryst struct*)