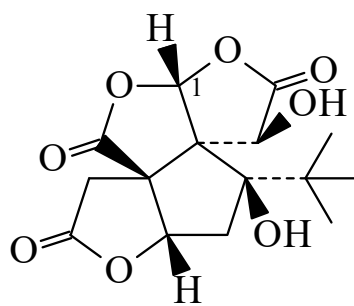




>>Entry Name: Bilobalide A

Synonym(s): Bilobalide



CAS Registry Number: 33570-04-6

Molecular Formula: $C_{15}H_{18}O_8$

Molecular Weight: 326.302

Accurate Mass: 326.10017

Percentage Composition: C 55.21%; H 5.56%; O 39.23%

Biological Source: Constit. of leaves of *Ginkgo biloba*

Use/Importance: Neuroprotective and neurotrophic. Active against *Pneumocystis carinii* in animal models. Antibacterial agent

Physical Description: Cryst. (H_2O)

Melting Point: Mp 300°

Optical Rotation: $[\alpha]_D^{20} -66.6$

Calculated Log P Data: Log P -3.25 (uncertain value) (calc)

UV: [neutral] λ_{max} (MeOH) (Berdy)

Other Data: Component of commercially available *Ginkgo biloba* extract (GBE)

Sigma: B9031

References:

- Weinges, K. *et al.*, *Annalen*, 1969, **724**, 214; 1972, **759**, 158, (*isol, pmr*)
Nakanishi, K. *et al.*, *J.A.C.S.*, 1971, **93**, 3544, (*isol, struct*)
Corey, E.J. *et al.*, *J.A.C.S.*, 1987, **109**, 7534, (*synth*)
Corey, E.J. *et al.*, *Tet. Lett.*, 1988, **29**, 3423, (*synth*)
Crimmins, M.T. *et al.*, *J.A.C.S.*, 1992, **114**, 5445; 1993, **115**, 3146, (*synth*)
Atzori, C. *et al.*, *Antimicrob. Agents Chemother.*, 1993, **37**, 1492, (*activity*)
Bruno, C. *et al.*, *Planta Med.*, 1993, **59**, 302, (*pharmacol*)
Van Beek, T. *et al.*, *J. Nat. Prod.*, 1997, **60**, 735-738, (*isol*)