



>>Derivative: 1,7-Dideoxy

Synonym(s): Ginkgolide A

CAS Registry Number: 15291-75-5

Molecular Formula: C₂₀H₂₄O₉

Molecular Weight: 408.404

Accurate Mass: 408.142035

Percentage Composition: C 58.82%; H 5.92%; O 35.26%

Biological Source: Bitter principle from *Ginkgo biloba*

Use/Importance: Antibacterial agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 280 dec.°

Optical Rotation: [α]_D −39 (c, 1 in dioxan)

Calculated Log P Data: Log P −1.57 (uncertain value) (calc)

Sigma: G4028

References:

- Sakabe, N. *et al.*, *Chem. Comm.*, 1967, 259-261, (*Ginkgolide A*, *cryst struct*)
Maruyama, M. *et al.*, *Tet. Lett.*, 1967, 299-302; 303-308; 309-313; 315-319; 321-326, (*isol, struct, pmr*)
Nakanishi, K. *et al.*, *J.A.C.S.*, 1971, **93**, 3546-3547, (*Ginkgolide B*, *biosynth*)
Braquet, P., *Adv. Prostaglandin, Thromboxane, Leukotriene Res.*, 1986, **16**, 179-198, (*rev*)
Weinges, K. *et al.*, *Annalen*, 1986, 1057-1066; 1991, 81-83, (*cryst struct, synth, Ginkgolide B, Ginkgolide C*)
Weinges, K. *et al.*, *Annalen*, 1987, 521-526, (*Ginkgolide J*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 1140
Nicolaou, K.C. *et al.*, *Classics in Total Synthesis, Targets, Strategies, Methods*, VCH, 1996, 451, (*bibl, synth*)
Van Beek, T.A. *et al.*, *Tetrahedron*, 1996, **52**, 4505-4514, (*cmr*)
Crimmins, M.T. *et al.*, *J.A.C.S.*, 2000, **122**, 8453-8463, (*Ginkgolide B*, *synth*)