



>>Derivative: 1,7-Dideoxy

Synonym(s): Ginkgolide A

CAS Registry Number: 15291-75-5

Molecular Formula: $C_{20}H_{24}O_9$

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: $[\alpha]_D -39$ (c, 1 in dioxan)

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

Sigma: G4028

References:

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Weinges, K. *et al.*, *Annalen*, 1986, 1057-1066; 1991, 81-83, (*cryst struct, synth, Ginkgolide B, Ginkgolide C*)
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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*)