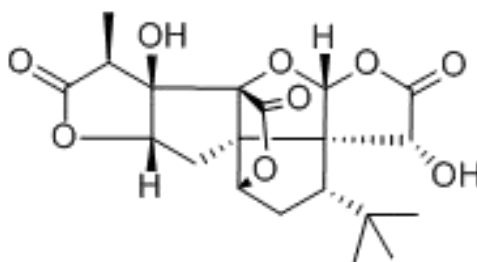


Ginkgolide A Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Ginkgolide A**Catalog No.:** CFN99638**Cas No.:** 15291-75-5**Purity:** >=98%**M.F:** C₂₀H₂₄O₉**M.W:** 408.40**Physical Description:** Powder

Synonyms: 1,7-Deoxyginkgolide C; (1R,3S,3aS,4R,6aR,7aR,7bR,8S,10aS,11aS)-3-(1,1-Dimethylethyl)hexahydro-4,7b-dihydroxy-8-methyl-9H-1,7a-(epoxymethano)-1H,6aH-cyclopenta[c]furo[2,3-b]furo[3',2':3,4]cyclopenta[1,2-d]furan-5,9,12(4H)-trione.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]The leaves of *Ginkgo biloba* L..

[Biological Activity or Inhibitors]

Ginkgolide A, a major constituent of Ginkgo biloba, effectively prevents homocysteine-induced endothelial dysfunction and molecular changes in porcine coronary arteries, this study underscores potential clinical benefits and applications of ginkgolide A in controlling homocysteine-associated vascular injury and cardiovascular disease. ^[1]

Ginkgolide A has anxiolytic-like effect in mice.^[2]

Ginkgolide A is a platelet-activating factor antagonist, it can inhibit the neurotoxicity of prions or amyloid-beta1-42, may be relevant treatments for prion or Alzheimer's diseases.^[3]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[4]

Mobile phase: Tetrahydrofuran- N-propanol- Water=27: 1: 72;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 220 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Zhou W. *J. Vasc.Surg.*, 2006, 44(4):853-62.

[2] Kuribara H, Weintraub S T, Yoshihama T, *et al. J. Nat. Prod.*, 2003, 66(10):1333-7.

[3] Bate C, Salmons M, Williams A. *J.Neuroinflamm.*, 2004, 1(1):: 4.

[4] Wu Y, Yan B, Bi Y, *et al. World Science & Technology*, 2012, 14(2):1498-501.

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