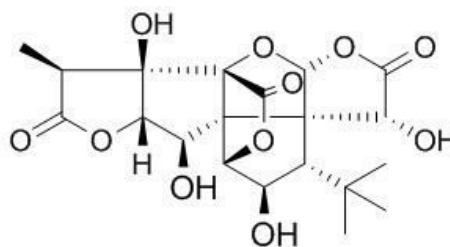


Ginkgolide C Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Ginkgolide C**Catalog No.:** CFN99639**Cas No.:** 15291-76-6**Purity:** >=98%**M.F:** C₂₀H₂₄O₁₁**M.W:** 440.40**Physical Description:** Powder

Synonyms: (1S,2R,3S,3aS,4R,6aR,7aR,7bR,8S,10aS,11R,11aR)-3-(1,1-Dimethylethyl)hexahydro-2,4,7b,11-tetrahydroxy-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; 1,7-Dihydroxy-ginkgolide A; BN52022.

[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 C (GC) from Ginkgo biloba leaves, is a potent inhibitor of collagen-stimulated platelet aggregation, it may increase intracellular cAMP and cGMP production and MMP-9 activity, inhibit intracellular Ca(2+) mobilization and TXA(2) production, thereby leading to inhibition of platelet aggregation, it may be a suitable tool for a negative regulator during platelet activation. [1]

Ginkgolide C has anti-adipogenic effect, it is an effective flavone for increasing lipolysis and inhibiting adipogenesis in adipocytes through the activated AMPK pathway.[2]

Ginkgolide C can increase Δ LVP significantly, enhances the myocardial systolic and diastolic function of rats, but has no significant effect on HR while it shows inotropic activity.[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] Cho H J, Shon Y H, Nam K S. *Biol.Pharmaceut. Bul.*, 2007, 30(12):2340-4.

[2] Triglycerides, Category A M L .*Evid. Based Compl. Alt. 2015; 2015: 298635.*

[3] Zhao T, Su Z P, Zhu L L, *et al. Proceeding of Clinical Medicine*, 2013, 22(7):524-6.

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

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