



LKT Laboratories, Inc.

Ginkgolide C

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Product Information

Product ID G3357

CAS No. 15291-76-6

Chemical Name (1 α ,7B)-1,7-Dihydroxyginkgolide A

Synonym BN-52022

Formula C₂₀H₂₄O₁₁

Formula Wt. 440.40

Melting Point -300°C(dec.)

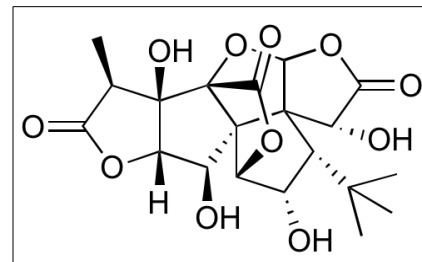
Purity ≥98%

Solubility Insoluble in water. Soluble in DMSO.

Store Temp -20°C

Ship Temp Ambient

Description Ginkgolide C is a diterpene lactone found in *Ginkgo*; it exhibits anticoagulant, neuromodulatory, and antioxidative activities. Ginkgolide C increases levels of matrix metalloproteinase 9 (MMP9), cAMP, and cGMP, suppresses production of thromboxane A₂ (TxA₂), and inhibits platelet aggregation in vitro. Ginkgolide C inhibits GABA-A receptors, α -1 glycine receptors, and PAF receptors. In cellular models, ginkgolide C inhibits formation of superoxide and hydroxyl radicals.



Bulk quantities available upon request

Product ID	Size
G3357	10 mg
G3357	25 mg
G3357	50 mg

References Cho HJ, Shon YH, Nam KS. Ginkgolide C inhibits platelet aggregation in cAMP- and cGMP-dependent manner by activating MMP-9. *Biol Pharm Bull.* 2007 Dec;30(12):2340-4. PMID: 18057723.

Huang SH, Duke RK, Chebib M, et al. Ginkgolides, diterpene trilactones of *Ginkgo biloba*, as antagonists at recombinant α 1 β 2 γ 2L GABAA receptors. *Eur J Pharmacol.* 2004 Jun 28;494(2-3):131-8. PMID: 15212966.

Jaracz S, Nakanishi K, Jensen AA, et al. Ginkgolides and glycine receptors: a structure-activity relationship study. *Chemistry.* 2004 Mar 19;10(6):1507-18. PMID: 15034895.

Scholtyssek H, Damerau W, Wessel R, et al. Antioxidative activity of ginkgolides against superoxide in an aprotic environment. *Chem Biol Interact.* 1997 Oct 24;106(3):183-90. PMID: 9413545.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.