Product Name: Ginkgolide B  
Catalog No.: 1657  
Batch No.: 1

CAS Number: 15291-77-7

IUPAC Name: \((1R,3S,3aS,4R,6aR,7aR,7bR,8S,10aS,11R,11aR)-3-(1,1-Dimethylethyl)hexahydro-4,7b,11-trihydroxy-8-methyl-9H-1,7a-(epoxymethano)-1H,6aH-cyclopenta[c]furo[2,3-b]furo[3',2':3,4]cyclopenta[1,2-d]furan-5,9,12(4H)-trione\)

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(C_{20}H_{24}O_{10}\cdot\frac{1}{4}H_2O\)

Batch Molecular Weight: 428.9

Physical Appearance: White solid

Solubility: DMSO to 100 mM ethanol to 25 mM

Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: \(R_f = 0.82\) (Dichloromethane:Methanol [8:2])

Melting Point: Greater than 300°C

\(^1\)H NMR: Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen

Theoretical 56 5.75

Found 55.95 5.7

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: Ginkgolide B
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Description:
Platelet-activating factor (PAF) receptor antagonist (Kᵢ = 1.3 μM). Inhibits neutrophil degranulation and superoxide production in vitro and inhibits bronchoconstriction and is neuroprotective following oral administration in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₃₀H₄₀O₁₄·½H₂O
Batch Molecular Weight: 428.9
Physical Appearance: White solid

Batch Molecular Structure:

Storage: Desiccate at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 25 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: