[ **Product Information** ]

**Name:** Ginkgolic acid C15:1  
**Catalog No.:** CFN90161  
**Cas No.:** 22910-60-7  
**Purity:** $\geq 98\%$  
**M.F:** $\text{C}_{22}\text{H}_{34}\text{O}_{3}$  
**M.W:** 346.50  

**Physical Description:** Powder  
**Synonyms:** 6-[(8Z)-Pentadecenyl]-salicylic acid;  
(Z)-2-Hydroxy-6-(8-pentadecenyl)benzoic acid.

[ **Intended Use** ]

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

[ **Source** ]

The leaves of *Ginkgo biloba L.*
[ Biological Activity or Inhibitors]

Ginkgolic acid C15:1 can significantly inhibit the biosynthesis of DNA, RNA and B. amyloliquefaciens proteins, it presents significant antibacterial activity against Gram-positive bacteria but generally does not affect the growth of Gram-negative bacteria.[1]

Ginkgolic acid C15:1 can suppress lung cancer invasion and migration through the inhibition of PI3K/Akt/mTOR signaling pathway and provide a source of potential therapeutic compounds to control the metastatic dissemination of tumor cells.[2]

Gingkgolic acid C15:1 has strong molluscicidal activity. [3]

Ginkgolic acid C13:0 and C15:1 are 100% effective inhibition against Pseudodactylogyrus at the concentration of 2.5 mg/L and 6.0 mg/L, with ED$_{50}$ values of 0.72 mg/L and 2.88 mg/L, respectively, they can be explored as plant-derived antiparasitic for the control of Pseudodactylogyrus.[4]

[ Solvent ]

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

[ HPLC Method ][5]

Mobile phase: Methanol-3% Acetic acid in water=92:8;
Flow rate: 1.0 ml/min;
Column temperature: 40 ℃;
The wave length of determination: 310 nm.

[ Storage ]

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

[ References ]


[ Contact ]

Address: S5-3 Building, No. 111, Dongfeng Rd., Wuhan Economic and Technological Development Zone, Wuhan, Hubei 430056, China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com