

# Ginkgolic Acid (C13:0)

Catalog No: tcsc3726



## Available Sizes

Size: 10mg



## Specifications

### CAS No:

20261-38-5

### Formula:

$C_{20}H_{32}O_3$

### Pathway:

Others

### Target:

Others

### Purity / Grade:

>98%

### Solubility:

10 mM in DMSO

### Alternative Names:

Ginkgolic acid (13:0);Ginkgoneolic Acid;6-Tridecylsalicylic acid

### Observed Molecular Weight:

320.47

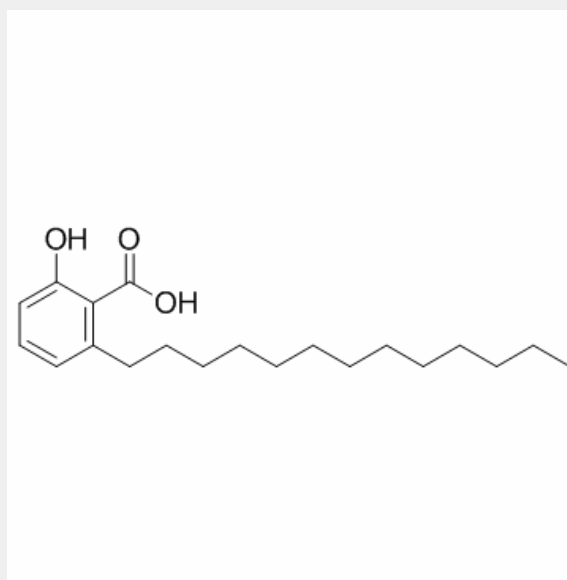
## Product Description

Ginkgolic Acid (C13:0) is a natural anticariogenic agent in that it exhibits antimicrobial activity against *S. mutans* and suppresses the specific virulence factors associated with its cariogenicity.

IC50 value: Inhibiting the biofilm formation of *S. mutans* (MBIC (50) = 4 µg/mL); reduced 1-day-developed biofilm of *S. mutans* by 50 % or more at low concentration (MBRC (50) = 32 µg/mL).

**Target:**

In vitro: Ginkgolic Acid (C13:0) inhibited not only the growth of *S. mutans* planktonic cells at minimum inhibitory concentration (MIC) of 4 µg/mL and minimum bactericidal concentration (MBC) of 8 µg/mL but also the acid production and adherence to saliva-coated hydroxyapatite of *S. mutans* at sub-MIC concentration. In addition, this agent was effective in inhibiting the biofilm formation of *S. mutans* (MBIC (50) = 4 µg/mL), and it reduced 1-day-developed biofilm of *S. mutans* by 50 % or more at low concentration (MBRC (50) = 32 µg/mL). Furthermore Ginkgolic Acid (C13:0) disrupted biofilm integrity effectively [1].

**In vivo:**

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!