



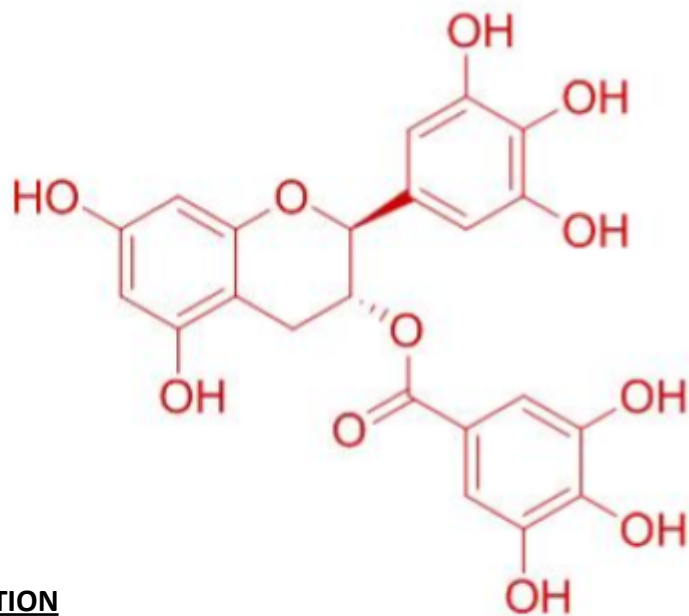
(-)-Galocatechin gallate

Cat# C011752S

store at at 2-8°C.

INFORMATION

Size	20mg
Applications	Chemicals>Natural Products
M.F	C22H18O11
Physical Description	White powder
Purity	>=98%
M.W	458.37
Synonyms	Synonyms:(2S,3R)-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-3,4-dihydro-2H-chromen-3-yl 3,4,5-trihydroxybenzoate.
Storage Stability	2-8°C, Protected from air and light, refrigerate or freeze.
Solvent	Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc
Source	The wood of Acacia catechu (L.F.) Willd.
HPLC Method	Mobile phase: 2% Acetic acid in water- Acetonitrile,gradient elution ; Flow rate: 1.0 ml/min; Column temperature: 35 °C; The wave length of determination: 280 nm.
Intended Use	1. Reference standards; 2. Pharmacological research; 3. Food research; 4. Cosmetic research; 5. Synthetic precursor compounds; 6. Intermediates & Fine Chemicals; 7. Others.
Biological Activity or Inhibitors	1)(-)-Galocatechin gallate can effectively inhibit cholesterol absorption in rats, it is effective to precipitate cholesterol. 2)Galocatechin gallate can decrease osteoclastogenesis at 20 microM, it has positive effects on bone metabolism through inhibiting osteoclast differentiations. 3)Galocatechin gallate has anti-adipogenic activities, it can significantly reduce the intracellular lipid droplets and expressions of major adipogenic transcription factors, such as PPAR γ , SREBP-1c and C/EBP α , it also can dose-dependently decrease the intracellular ROS level, attenuate MAPK pathway activation in 3T3-L1 differentiations, decrease the activation of NF-KB, and down-regulate the production of IL-6 and MCP-1 induced by LPS. 4)Galocatechin gallate has anti-diabetic effects by increasing sensitivity of insulin. 5)Galocatechin gallate has antioxidant activity.



PRODUCT USE LIMITATION