



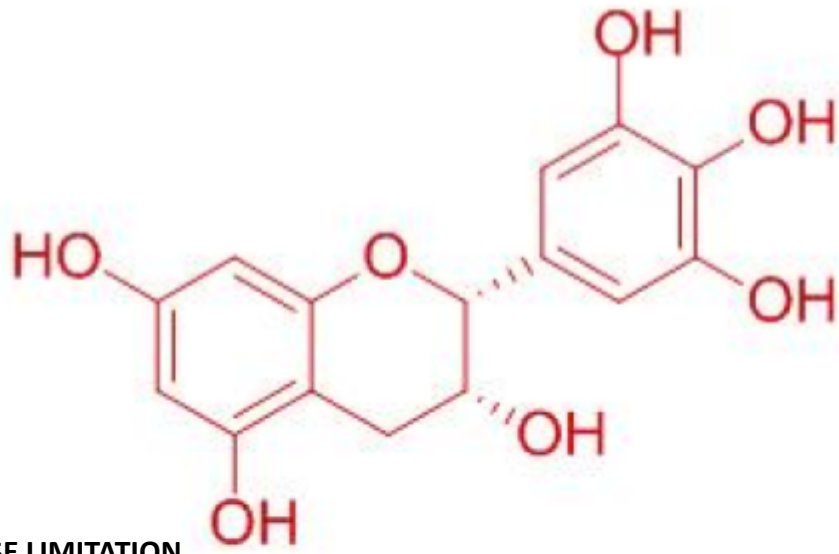
(-)-Epigallocatechin(EGC)

Cat# C011827S

store at at 2-8°C.

INFORMATION

Size	20mg
Applications	Chemicals>Natural Products
M.F	C15H14O7
Physical Description	Powder
Purity	> 98%
M.W	306.3
Synonyms	(2R,3R)-2-(3,4,5-trihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol.
Storage Stability	2-8°C, Protected from air and light, refrigerate or freeze.
Solvent	Pyridine, DMSO, Methanol, Acetone, etc.
Source	The wood of Acacia catechu (L.F.) Willd.
HPLC Method	Mobile phase: Methanol-0.1% Acetic acid H ₂ O (pH 2.0)= 75:25,; Flow rate: 0.5 ml/min; Column temperature: 30 °C; The wave length of determination: 278 nm.
Intended Use	1. Reference standards; 2. Pharmacological research; 3. Food research; 4. Cosmetic research; 5. Synthetic precursor compounds; 6. Care and daily chemicals; 7. Intermediates & Fine Chemicals; 8. Ingredient in supplements, beverages; 9. Others.
Biological Activity or Inhibitors	1)(-)-Epigallocatechin (EGC) can suppress oxidation of plasma low density lipoprotein (LDL)in vitro. 2)Epigallocatechin activates haem oxygenase-1 expression via protein kinase Cdelta and Nrf2. 3)Cu(2+) with (-)-epigallocatechin (EGC) facilitated DNA cleavage, while Ag+ with EGC showed a strong repressive effect, the other metal ions examined showed little effect.



PRODUCT USE LIMITATION