



LKT Laboratories, Inc.

Galocatechin Gallate

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Product Information

Product ID G0245

CAS No. 4233-96-9

Chemical Name [(2S,3R)-5,7-dihydroxy-2-(3,4,5-trihydroxyphenyl)-3,4-dihydro-2H-chromen-3-yl] 3,4,5-trihydroxybenzoate

Synonym (-)-galocatechin-3-O-gallate

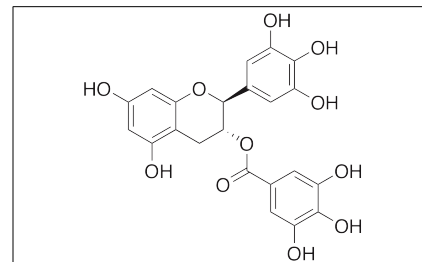
Formula C₂₂H₁₈O₁₁

Formula Wt. 458.37

Melting Point

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G0245	1 mg	\$107.30
G0245	5 mg	\$229.20
G0245	10 mg	\$364.60

Store Temp 4° C

Ship Temp Ambient

Description Galocatechin galleate (GCG) is a polyphenol originally derived from a variety of sources, including green tea, coffee, safflower, and almonds. GCG exhibits a wide variety of beneficial properties, including anti-diabetic, anti-osteoporotic, antiviral, anti-parasitic, and anticancer chemotherapeutic activities. GCG inhibits amyloid formation by islet amyloid polypeptide (amylin) and also inhibits glutathione-S-transferase in cellular models. GCG inhibits HIV integrase, preventing its ability to bind to DNA. Separately, this compound prevents hatching of nematodes in vivo. GCG also has positive effects on bone metabolism, decreasing osteoclastogenesis and inhibiting osteoclast differentiation.

References Masler EP. Effects of catechin polyphenols and preparations from the plant-parasitic nematode *Heterodera glycines* on protease activity and behaviour in three nematode species. *J Helminthol.* 2013 May 2;1-8. [Epub ahead of print]. PMID: 23635519.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.