



LKT Laboratories, Inc.

(-)-Epicatechin

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Product Information

Product ID E6231

CAS No. 490-46-0

Chemical Name 2-(3,4-Dihydroxyphenyl)-3,4-dihydro-2H-1-benzo- pyran-3,5,7-triol

Synonym Epicatechin, Epicatechol

Formula C₁₅H₁₄O₆

Formula Wt. 290.27

Melting Point 240°C (dec)

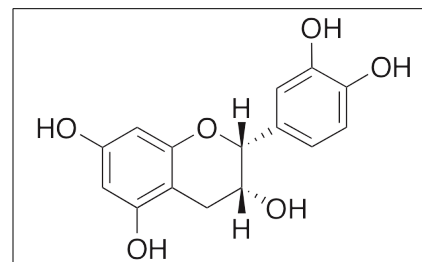
Purity ≥93%

Solubility Soluble in water or alcohol.

Store Temp -20°C

Ship Temp Ambient

Description (-)-Epicatechin (EC) is a flavanol and catechin originally found in *Camilla* and other plant sources; it exhibits antioxidative, neuroprotective, anti-atherosclerotic, and cardioprotective activities. In animal models of myocardial ischemia/reperfusion, EC decrease infarct size and improves mitochondrial respiration. In animal models of Alzheimer's disease, EC decreases levels of amyloid-B (AB) in the brain and serum, suppressing neuroinflammation. EC also decreases atherosclerotic lesion area, lowering levels of SAA and CRP in vivo.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E6231	1 mg	\$50.00
E6231	5 mg	\$128.70
E6231	25 mg	\$393.60
E6231	100 mg	\$930.00

References Yamazaki KG, Andreyev AY, Ortiz-Vilchis P, et al. Intravenous (-)-epicatechin reduces myocardial ischemic injury by protecting mitochondrial function. *Int J Cardiol.* 2014 Aug 1;175(2):297-306. PMID: 24908200.

Zeng YQ, Wang YJ, Zhou XF. Effects of (-)Epicatechin on the Pathology of APP/PS1 Transgenic Mice. *Front Neurol.* 2014 May 9;5:69. PMID: 24847308.

Morrison M, van der Heijden R, Heeringa P, et al. Epicatechin attenuates atherosclerosis and exerts anti-inflammatory effects on diet-induced human-CRP and NFκB in vivo. *Atherosclerosis.* 2014 Mar;233(1):149-56. PMID: 24529136.

Butt MS, Ahmad RS, Sultan MT, et al. Green tea and anticancer perspectives: Updates from last decade. *Crit Rev Food Sci Nutr.* 2013 Sep 20. [Epub ahead of print]. PMID: 24915354.

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