

**Dr. Duke's Phytochemical and Ethnobotanical Database****List of Activities for (-)-EPICATECHIN**

<b>Activity</b>	<b>Reference</b>
5-Lipoxygenase-Inhibitor	
ACE-Inhibitor	
Allelochemic	Hanke, F. J., Natural Products as a Resource for Biologically Active Compounds, Thesis, U. Cal (Santa Cruz), 1986, 252 pp
Antiaggregant	
Antianaphylactic	
Antibacterial	
Antidiabetic	
AntiEBV	Economic & Medicinal Plant Research, 6: 189.
Antihepatitic	Vlietinck, A.J. and Dommissie, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
AntiHIV	
Antihyperglycemic	
Antiinflammatory	
Antileukemic	Economic & Medicinal Plant Research, 6: 189.
Antileukotriene	
Antilipoperoxidant	
Antimutagenic	
Antioxidant	
Antiperoxidant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activity	Reference
Antiviral	
Beta-Adrenergic Receptor Blocker	Zhu, M., Phillipson, J. D., Greengrass, P. M., Bowery, N. E., Cai, Y. 1997. Plant Polyphenols: Biologically Active Compounds or Non-Selective Binders to Protein? <i>Phytochemistry</i> , 44(3): 441-447.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Cardiotonic	
Choline-Sparing	
COMP-Inhibitor	Dullo, A. G., et al. 1999. Efficacy of a green tea extract rich in catechin polyphenols and caffeine in increasing 24-h energy expenditure and fat oxidation in humans. <i>Am. J. Clinical Nutrition</i> , 70: 1040-1045.
Cytotoxic	
Hypocholesterolemic	
Hypoglycemic	
Immunostimulant	
Insulinogenic	Economic & Medicinal Plant Research, 6: 170.
Lipoxygenase-1-Inhibitor	
Lipoxygenase-Inhibitor	Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
Pancreatogenic	
Pesticide	
Reverse-Transcriptase-Inhibitor	McKenna, D. J., Hughes, K., and Jones, K. 2000. Green Tea Monograph. <i>Alternative Therapies</i> , 6(3): 61-82.
Vasodilator	McKenna, D. J., Hughes, K., and Jones, K. 2000. Green Tea Monograph. <i>Alternative Therapies</i> , 6(3): 61-82.

<b>Activity</b>	<b>Reference</b>
Xanthine-Oxidase-Inhibitor	Hatano, T., Yasuhara, T., Yoshihara, R., Agata, I., Noro, T., and Okuda, T. 1989. Effects of Interaction of Tannins with Co-existing Substances.VII. Inhibitory Effects of Tannins Related Polyphenols on Xanthine Oxidase. Chem. Pharm. Bull. 38(5): 1224-1229