Core LOAD Product References


An extract of Lagerstroemia speciosa L. has insulin-like glucose uptake-stimulatory and adipocyte differentiation- inhibitory activities in 3T3-L1 cells.  J Nutr. 2001 Sep;131(9):2242-7


Antidiabetes and Anti-obesity Activity of Lagerstroemia speciosa Guy Klein,1 et al.

Berberine, a natural plant product, activates AMP-activated protein kinase with beneficial metabolic effects in diabetic and insulin-resistant states. Department of Biological Sciences, Seoul National University, San 56-1, Sillim- Dong.

Berberine-stimulated glucose uptake in L6 myotubes involves both AMPK and p38 MAPK Zhe Cheng et al.


H. Kasai, S. Fukada, Z. Yamaizumi, S. Sugie, and H. Mori, “Action of chlorogenic acid in vegetables and fruits as an inhibitor of 8-hydroxydeoxyguanosine formation in vitro and in a rat carcinogenesis model,” Food and Chemical Toxicology, vol. 38, no. 5, pp. 467–471, 2000. View at Publisher · View at Google Scholar · View at Scopus


D. V. Rodriguez de Sotillo, M. Hadley, and J. E. Sotillo, “Insulin receptor exon 11+/- is expressed in Zucker (fa/fa) rats, and chlorogenic acid modifies their plasma insulin and
liver protein and DNA,” Journal of Nutritional Biochemistry, vol. 17, no. 1, pp. 63–71, 2006. View at Publisher · View at Google Scholar · View at Scopus


K. W. Ong, A. Hsu, and B. K. Tan, “Anti-diabetic and anti-lipidemic effects of chlorogenic acid are mediated by ampk activation,” Biochemical Pharmacology, vol. 85, no. 9, pp. 1341–1351, 2013. View at Publisher · View at Google Scholar

C. W. Wan, C. N. Wong, W. K. Pin et al., “Exhibits cholesterol lowering and fatty liver attenuating properties by up-regulating the gene expression of PPAR-α,” Phytotherapy Research, vol. 27, no. 4, pp. 545–551, 2013. View at Publisher · View at Google Scholar


E. E. Agardh, S. Carlsson, A. Ahlbom et al., “Coffee consumption, type 2 diabetes and impaired glucose tolerance in Swedish men and women,” Journal of Internal Medicine, vol. 255, no. 6, pp. 645–652, 2004. View at Publisher · View at Google Scholar · View at Scopus


