

specifically inhibits cleavage of triacylglycerols by pancreatic and gastric lipase, might be ineffective on some esterases present in pancreatin, which might be able to convert the artificial substrate. The plants provide a large spectrum of inhibition activity, far larger than the single compound Xenical™. With about 20% of activity reduction and the low amount of Xenical applied, nevertheless our assay confirms Xenical to be a potent lipase inhibitor.

Having a high affinity to proteins and peptide-like enzymes, polyphenolic compounds might influence the present lipase activity assay by non-specific binding. Therefore, polyphenol content of the plants was estimated by DPPH assay and values are also provided in Fig. 2. The most promising plants are those showing high lipase inhibition activity and low polyphenol content, such as plants 4 to plants 8 in Fig. 2.

This robust and convenient assay to screen biologically active extracts and isolated compounds is a helpful tool in development of functional foods for weight reduction. This assay enables scientific proof of inhibition activity of pancreatic lipase. Selection of promising extracts and ingredients as well as tracking each step of technological process for preservation of desired inhibition activity would be permitted by this valuable assay.

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- [1] A. M. Prentice, *Int. J. Epidemiology* **2006**, *35*, 93.
- [2] T. DeWald, L. Khaothiar, M. P. Donahue, G. Blackburn, *Am. Heart J.* **2006**, *151*, 604.
- [3] R. S. Padwal, S. R. Majumdar, *Lancet* **2007**, *369*, 71.
- [4] A. Ballinger, S. R. Peikin, *Europ. J. of Pharmacol.* **2002**, *440*, 109.
- [5] L. Sjöström, A. Rissanen, T. Andersen, M. Boldrin, A. Golay, H. P. F. Koppeschaar, M. Krempf, *Lancet* **1998**, *352*, 167.
- [6] D. Gilham, R. Lehner, *Methods* **2005**, *36*, 139.
- [7] P. Reis, K. Holmberg, H. Watzke, M. E. Leser, R. Miller, *Adv. Colloid Interface Sci.* **2009**, *147*, 237.
- [8] R. B. Birari, K. K. Bhutani, *Drug Discovery Today* **2007**, *12*, 879.
- [9] K. W. Huggins, L. M. Camarota, P. N. Howles, D. Y. Hui, *J. Biol. Chem.* **2003**, *44*, 42899.
- [10] H. M. Seagle, G. W. Strain, A. Makris, R. S. Reeves, *Am. Dietetic Assoc.* **2009**, *109*, 330.
- [11] W. Andlauer, J. Kolb, P. Fürst, *J. Nutr.* **2000**, *130*, 3021.
- [12] N. Prim, M. Sánchez, C. Ruiz, F. I. J. Pastor, P. Diaz, *J. Mol. Catal. B: Enzym.* **2003**, *22*, 339.
- [13] G. J. Mc Dougall, N. N. Kulkarni, D. Stewart, *Food Chem.* **2009**, *115*, 193.
- [14] M. Schmidt, U. T. Bornscheuer, *Biomol. Eng.* **2005**, *22*, 51.
- [15] A. Tiss, H. Lengsfeld, F. Carrière, R. Verger, *J. Mol. Catal. B: Enzym.* **2009**, *58*, 41.
- [16] Q. Zhong, C. E. Glatz, *J. Agric. Food Chem.* **2006**, *54*, 3181.
- [17] M. C. Alamanni, M. Cosu, *Ital. J. Food Sci.* **2004**, *16*, 197.

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Neutron Activation Analysis: A Primary (Ratio) Method to Determine SI-Traceable Values of Element Content in Complex Samples

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