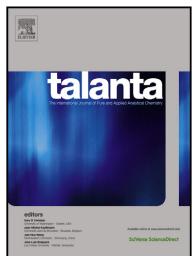
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A high performance direct transmethylation method for total fatty acids assessment in biological and foodstuff samples

Luis M. Rodríguez-Alcalá, Pilar Castro-Gómez, Javier Fontecha*

Department of Bioactivity and Food Analysis, Lipid Group, Institute of Food Science Research (CIAL), CSIC-UAM, Autónoma University of Madrid, Nicolás Cabrera, 9. 28049, Madrid, Spain

* Corresponding author. Tel.: +34 91 0017900, Fax: +34 91 0017905

E-mail address: J. Fontecha j.fontecha@csic.es

1. Introduction

In the recent years analysis of lipids have gained much attention as it was demonstrated that specific fatty acids (FA) may exert an important role in the prevention of human diseases [1]. Conjugated linoleic acid isomers (CLA), mainly found in dairy products are described as a potent anticarcinogenic agent [2]. Polyunsaturated fatty acids (PUFAs) have been associated to prevention of sudden cardiac death and arrhythmia [3], participation in development of newborn's nervous system [4] and positive effects on depression or Alzheimer's disease [5, 6]. FA

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