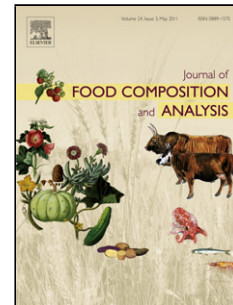


Accepted Manuscript

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PII: S0889-1575(17)30144-8
DOI: <http://dx.doi.org/doi:10.1016/j.jfca.2017.06.005>
Reference: YJFCA 2909

To appear in:

Received date: 10-12-2016
Revised date: 7-6-2017
Accepted date: 8-6-2017

Please cite this article as: Alberdi-Cedeño, Jon., Ibargoitia, María L., & Guillén, María D., Bioactive compounds detected for the first time in corn oil: Cyclic dipeptides and other nitrogenated compounds. *Journal of Food Composition and Analysis* <http://dx.doi.org/10.1016/j.jfca.2017.06.005>

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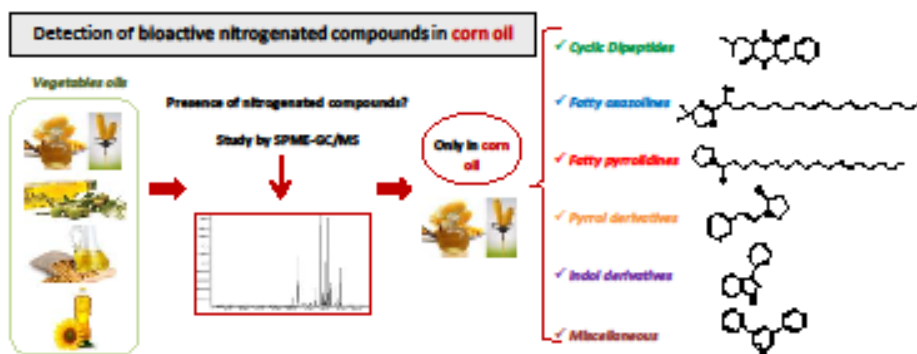
Original Research Article

Bioactive compounds detected for the first time in corn oil: Cyclic dipeptides and other nitrogenated compounds

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Graphical abstract



HIGHLIGHTS

- ✓ The occurrence of nitrogenated minor components was studied in eleven edible oils
- ✓ Only corn oils contain this kind of compounds
- ✓ Among them there are cyclic dipeptides and other nitrogen heterocyclic compounds
- ✓ All them are bioactive and can give corn oil interesting properties
- ✓ Cyclic dipeptides could be considered as corn oil markers

ABSTRACT

Eleven edible oils, namely extra virgin olive, virgin olive, olive, sunflower, virgin soybean, refined soybean, linseed and four corn oils were studied in order to analyze the occurrence in them of minor nitrogenated components. The study was carried out by using Solid Phase Microextraction (SPME) followed by Gas Chromatography/Mass

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