

Accepted Manuscript

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Authors: Ágnes M. Móricz, Péter G. Ott, Gertrud E. Morlock



PII: S0021-9673(18)30222-X
DOI: <https://doi.org/10.1016/j.chroma.2018.02.038>
Reference: CHROMA 359217

To appear in: *Journal of Chromatography A*

Received date: 2-1-2018
Revised date: 16-2-2018
Accepted date: 19-2-2018

Please cite this article as: Ágnes M.Móricz, Péter G.Ott, Gertrud E.Morlock, Discovered acetylcholinesterase inhibition and antibacterial activity of polyacetylenes in tansy root extract via effect-directed chromatographic fingerprints, *Journal of Chromatography A* <https://doi.org/10.1016/j.chroma.2018.02.038>

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Discovered acetylcholinesterase inhibition and antibacterial activity of polyacetylenes in tansy root extract via effect-directed chromatographic fingerprints

Ágnes M. Móricz,^{a,*} Péter G. Ott,^a and Gertrud E. Morlock^b

^aPlant Protection Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Herman O. Str. 15, 1022 Budapest, Hungary

^bJustus Liebig University Giessen, Institute of Nutritional Science, Chair of Food Science, and Interdisciplinary Research Center (IFZ), Heinrich-Buff-Ring 26-32, 35392 Giessen, Germany

*Corresponding author: Á.M. Móricz, Plant Protection Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Herman O. Str. 15, 1022 Budapest, Hungary; Tel.: +3614877515; E-mail address: moricz.agnes@agrar.mta.hu

Highlights

- Firstly antibacterial and cholinesterase inhibitory effects of tansy components
- Bioactivity profiling of tansy (*Tanacetum vulgare* L.) root extract
- HPTLC-EDA combined with HPTLC-DART-MS/MS and HPTLC-ESI-HRMS/MS
- Tansy polyacetylenes detected to be multipotent bioactive components

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