

SUPPORTING INFORMATION

A Study on the Phytotoxic Potential of the Seasoning Herb Marjoram (*Origanum majorana* L.) Leaves

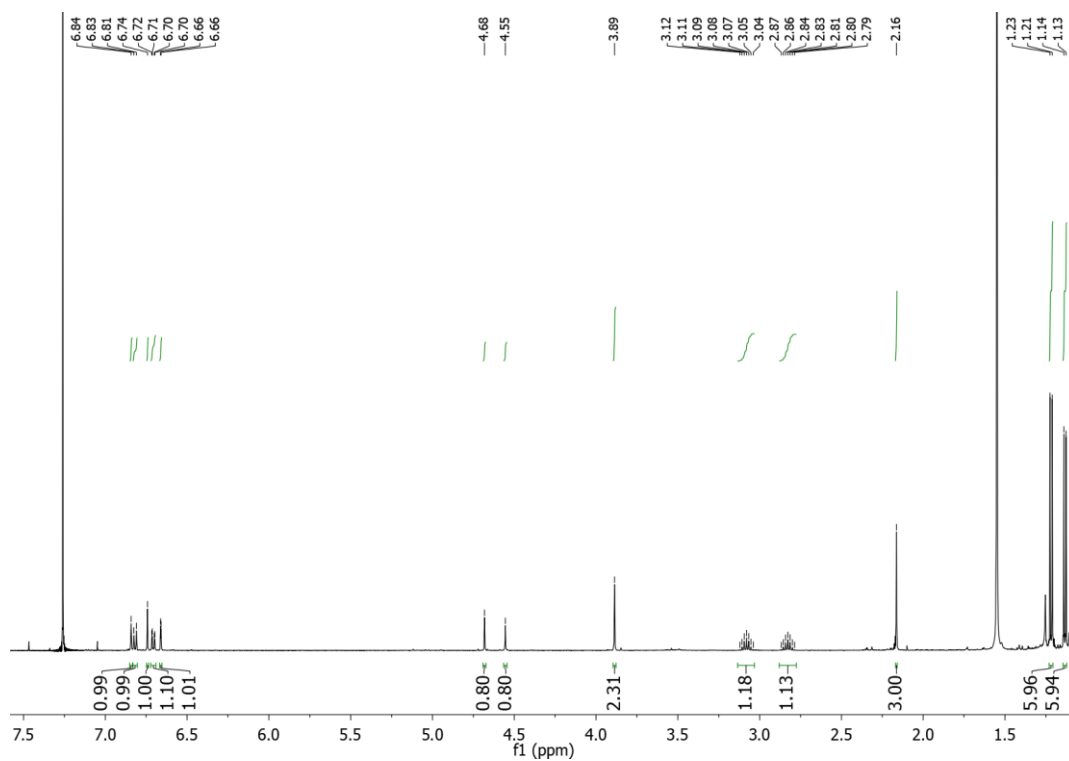
Antonio Cala, José R. Salcedo, Ascensión Torres, Rosa M. Varela, José M. G. Molinillo and Francisco A. Macías*

Allelopathy Group, Department of Organic Chemistry, School of Science, Institute of Biomolecules (INBIO), University of Cádiz, C/ República Saharaui 7, 11510-Puerto Real, Cadiz, Spain; antonio.cala@uca.es (A.C.), jose.salcesempe@alum.uca.es (J.R.S.S.), chon.torres@uca.es (A.T.); rosa.varela@uca.es (R.M.V.), chema.gonzalez@uca.es, famacias@uca.es (F.A.M.).

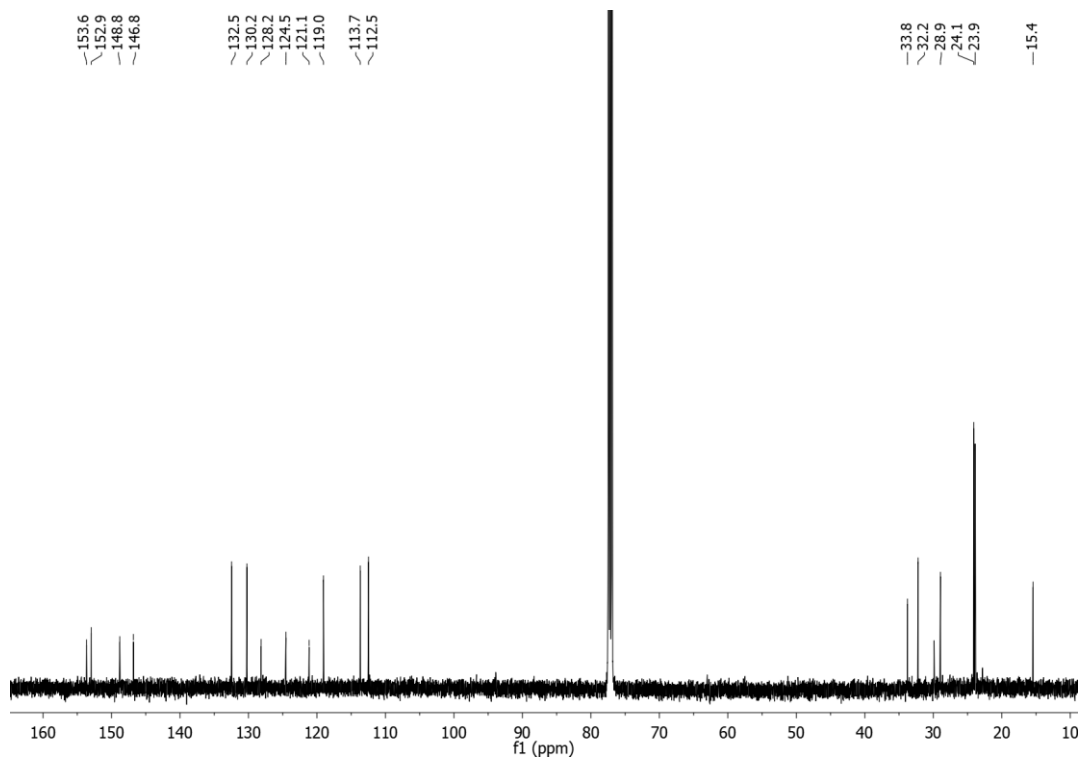
*Correspondence: famacias@uca.es

Table of Contents

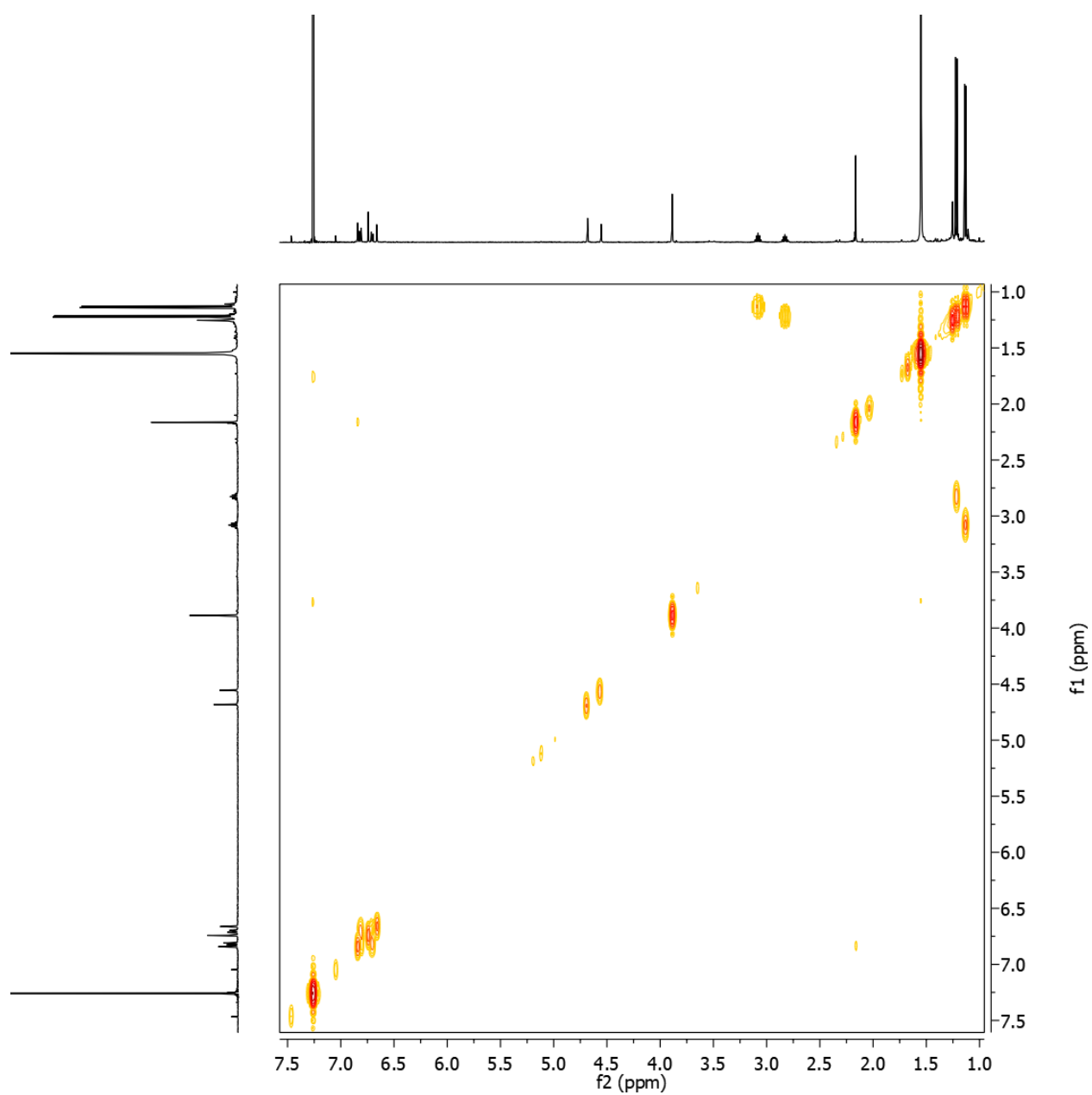
S2.	¹ H and ¹³ C NMR spectra of 4
S3.	COSY spectrum of 4
S4.	HSQC and HMBC spectra of 4
S5.	HRMS spectrum of 4



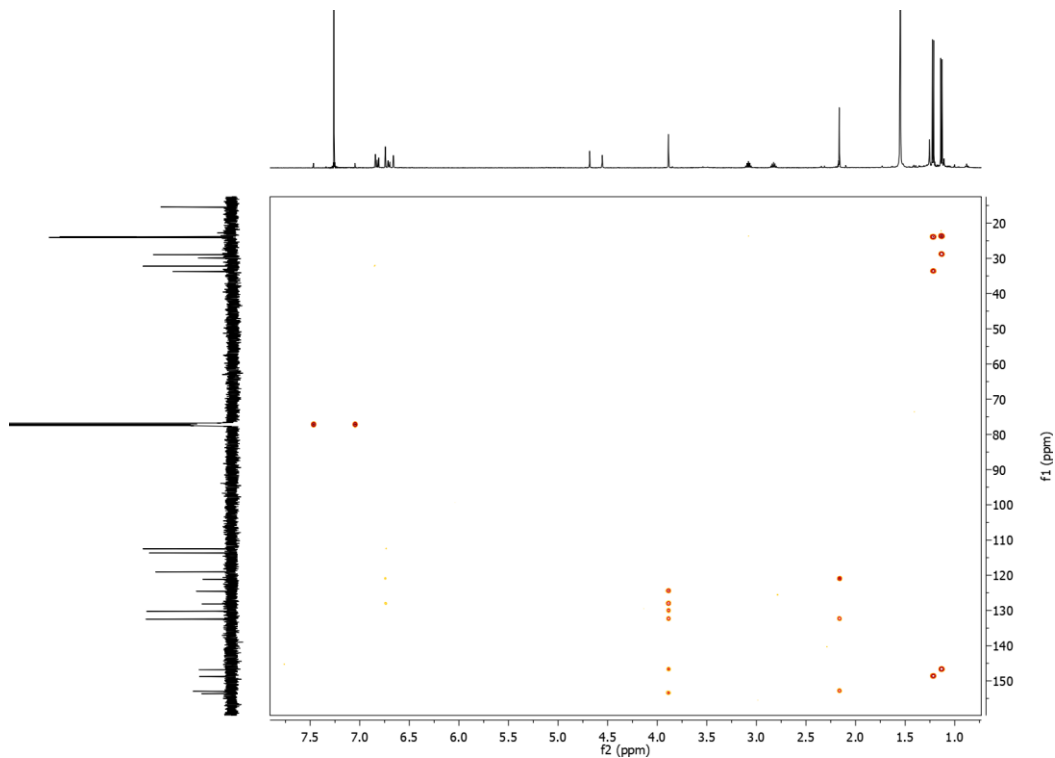
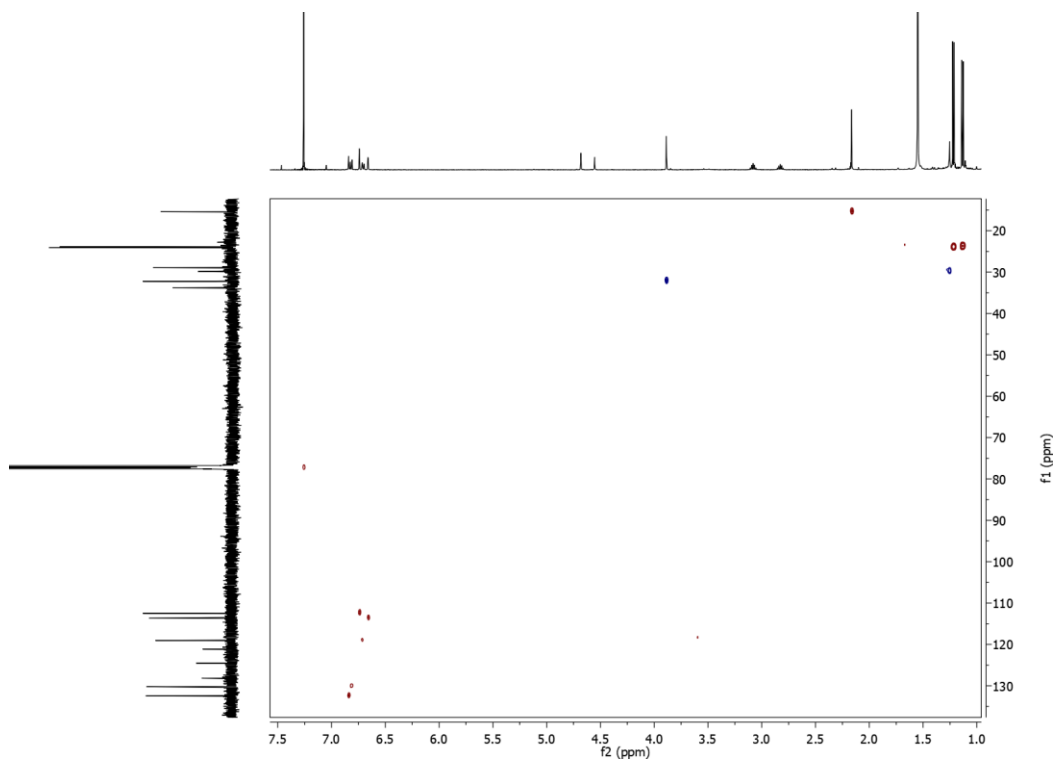
¹H-NMR Spectrum of 4 (500 MHz, CDCl₃)



¹³C-NMR Spectrum of 4 (125 MHz, CDCl₃)



COSY Spectrum of **4** (500MHz, CDCl₃)



Elemental Composition Report

Single Mass Analysis

Tolerance = 2.0 mDa / DBE: min = -1.5, max = 80.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

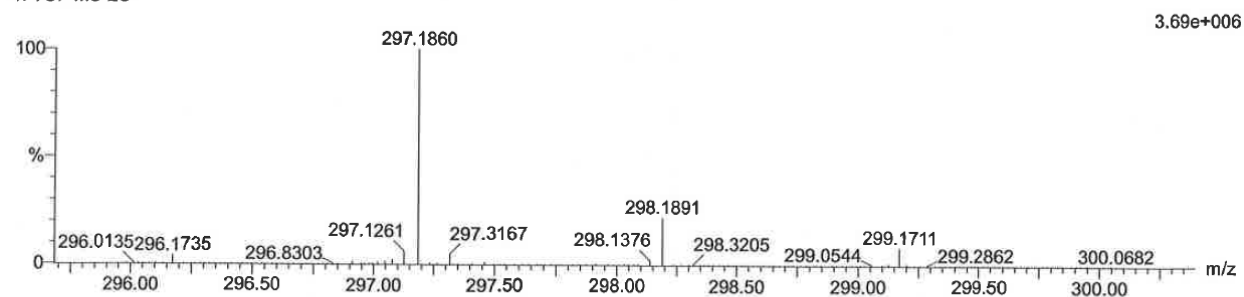
96 formula(e) evaluated with 1 results within limits (up to 10 best isotopic matches for each mass)

Elements Used:

C: 0-100 H: 0-100 O: 0-20 Na: 0-1

MEJORADIOL-NEG 489 (4.530)

1: TOF MS ES-



Minimum: -1.5
Maximum: 2.0 10.0 80.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
297.1860	297.1855	0.5	1.7	8.5	1215.5	n/a	n/a	C20 H25 O2

HRMS spectrum of 4 (negative-ion mode)