

Total Synthesis of (\pm)-5,14-bis-*epi*-spirovibsanin A

Supporting Information

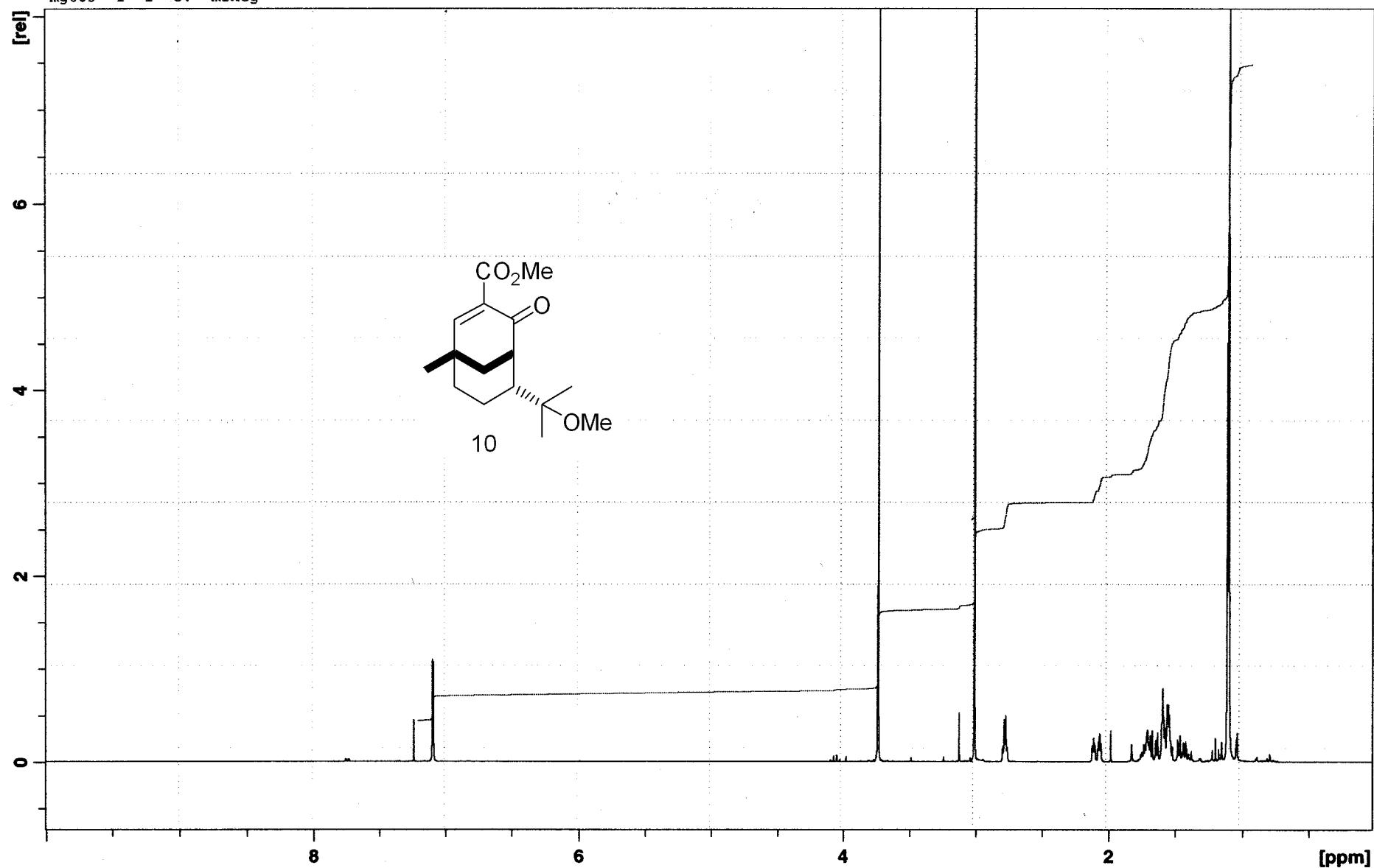
^1H NMR and ^{13}C NMR scans

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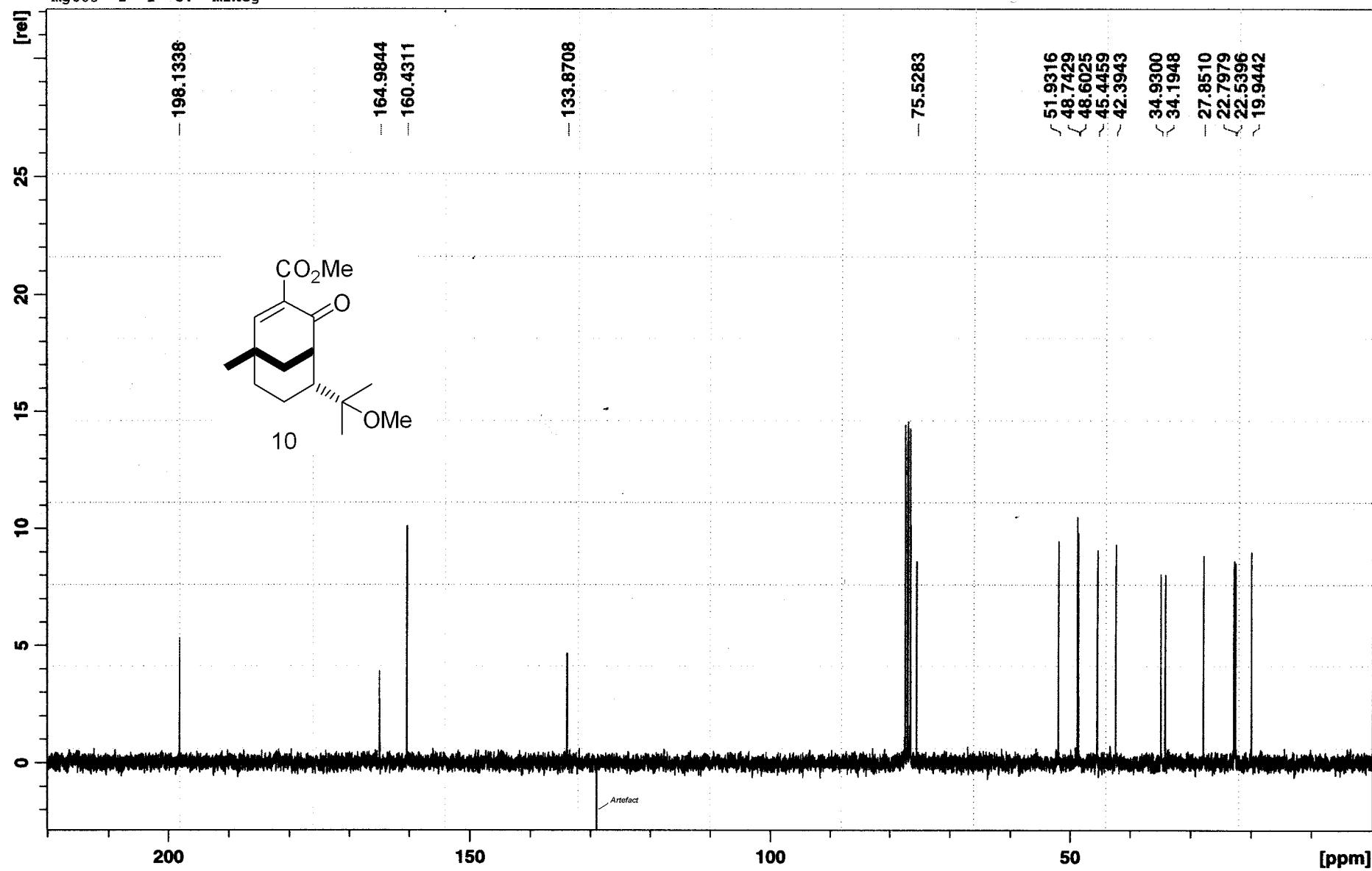
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Methyl 6-(2-methoxypropan-2-yl)-1-methyl-4-oxobicyclo[3.3.1]non-2-ene-3-carboxylate (10) ^1H NMR.....	2
Methyl 6-(2-methoxypropan-2-yl)-1-methyl-4-oxobicyclo[3.3.1]non-2-ene-3-carboxylate (10) ^{13}C NMR.....	3
2-[(1,3-Dioxolan-2-yl)methyl]-5'-(hydroxymethyl)-6-(2-methoxypropan-2-yl)-1-methyldihydro-2'H-spiro {bicyclo[3.3.1]nonane-3,3'-furan}-2',4-dione (14) ^1H NMR.....	4
2-[(1,3-Dioxolan-2-yl)methyl]-5'-(hydroxymethyl)-6-(2-methoxypropan-2-yl)-1-methyldihydro-2'H-spiro {bicyclo[3.3.1]nonane-3,3'-furan}-2',4-dione (14) ^{13}C NMR.....	5
(E)-5,14-bis- <i>epi</i> Spirovibsanin A (22) ^1H NMR.....	6
(E)-5,14-bis- <i>epi</i> Spirovibsanin A (22) ^{13}C NMR.....	7
(Z)-5,14-bis- <i>epi</i> Spirovibsanin A (21) ^1H NMR.....	8
(Z)-5,14-bis- <i>epi</i> Spirovibsanin A (21) ^{13}C NMR.....	9

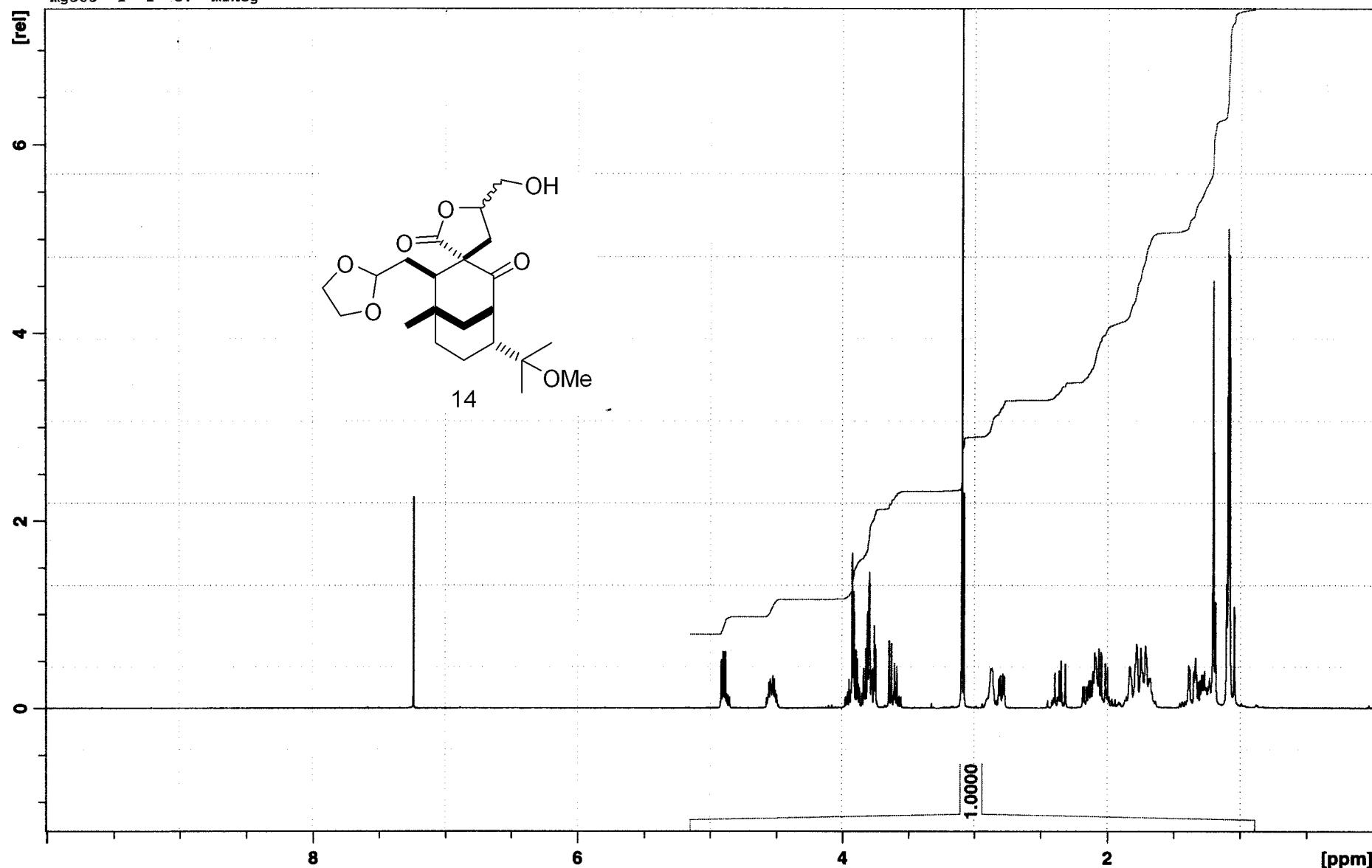
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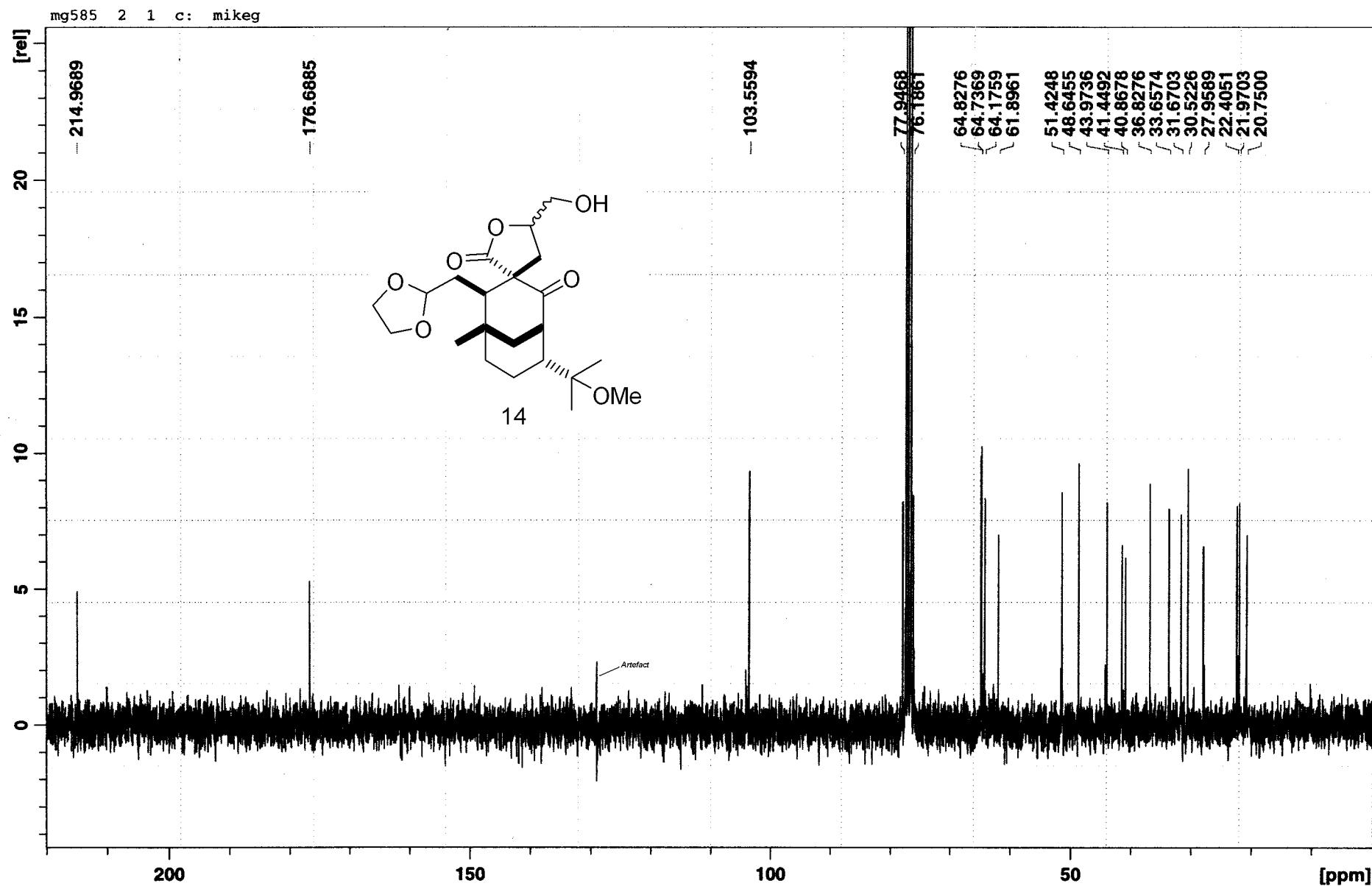


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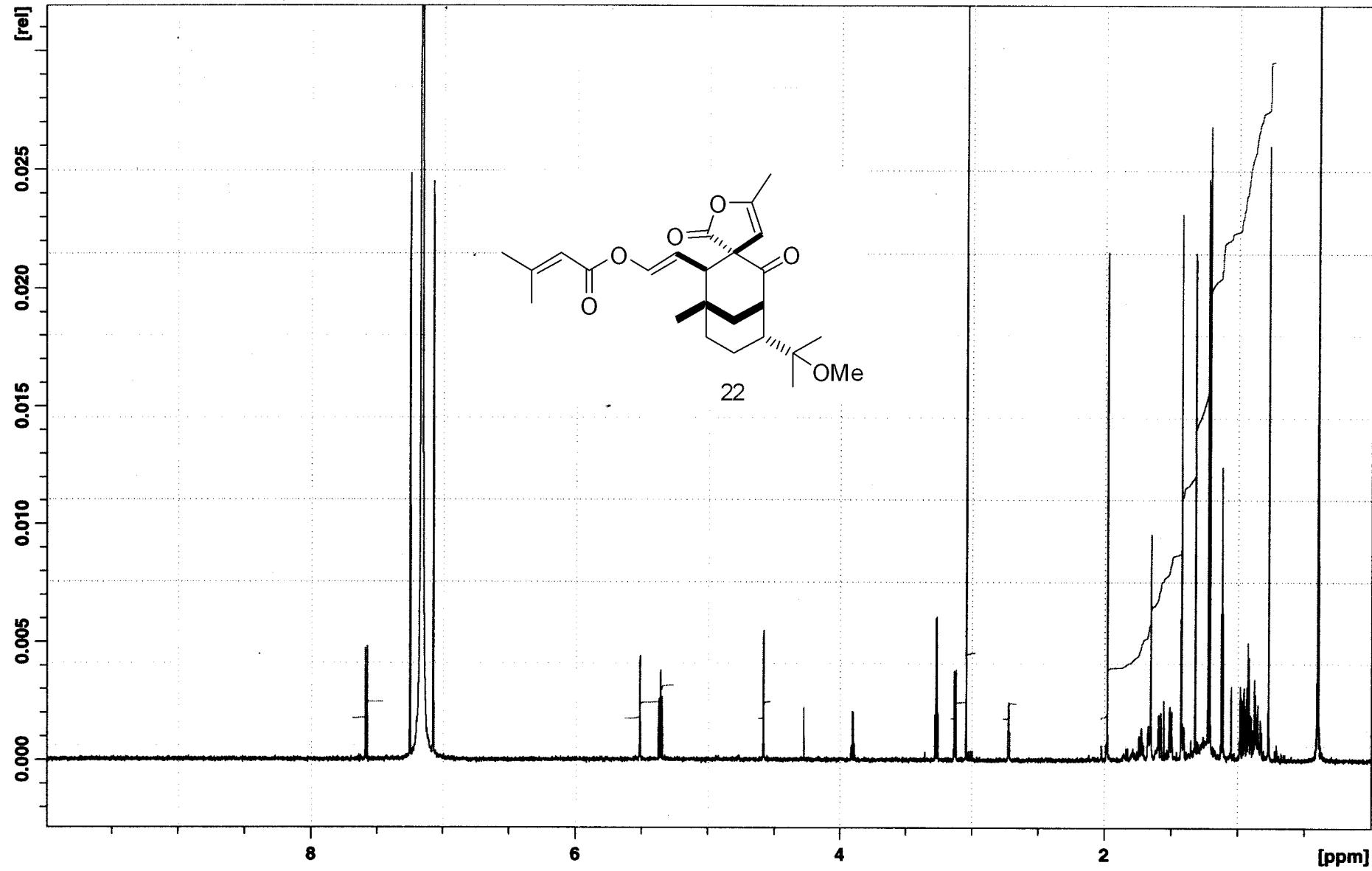


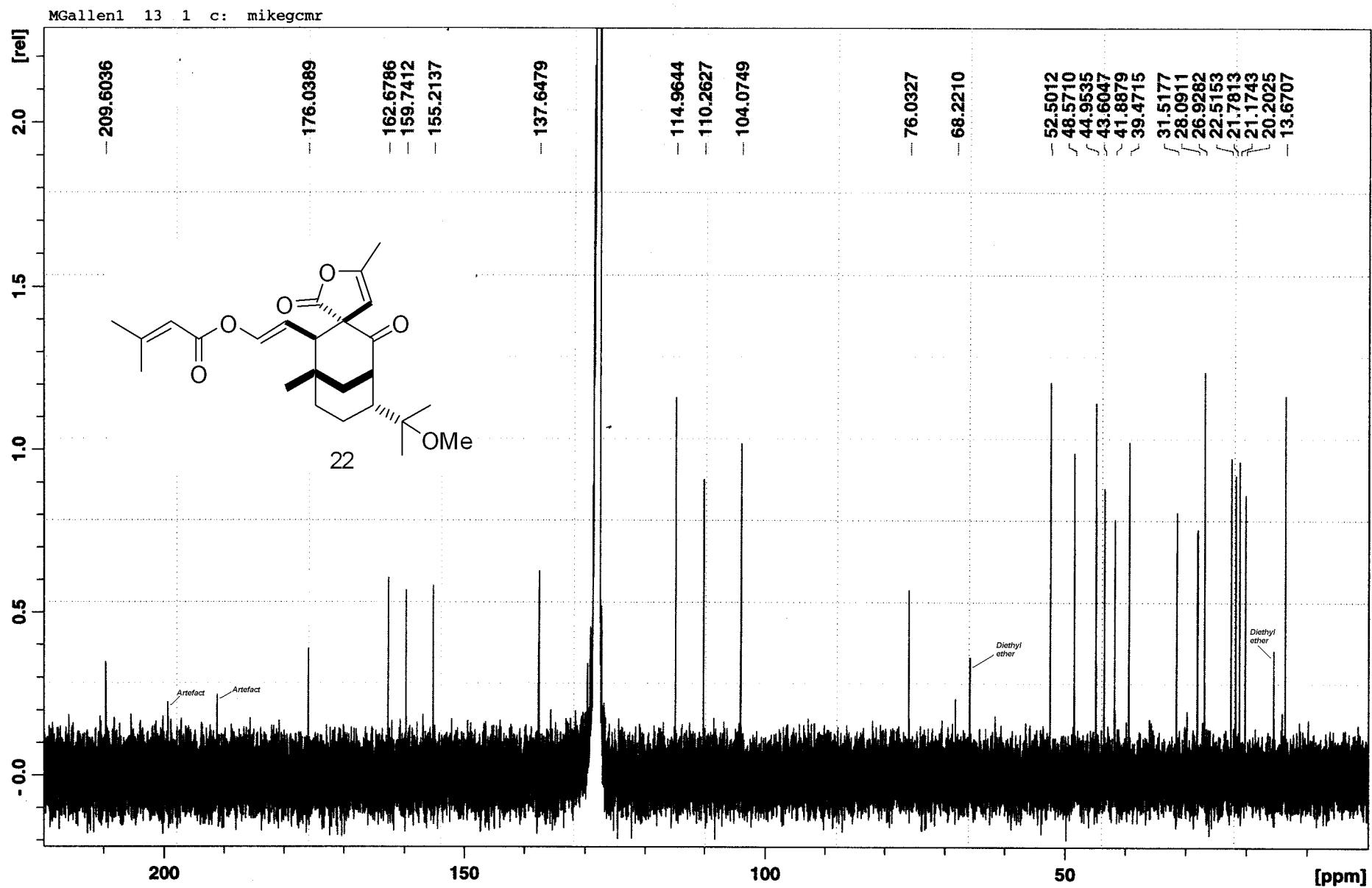
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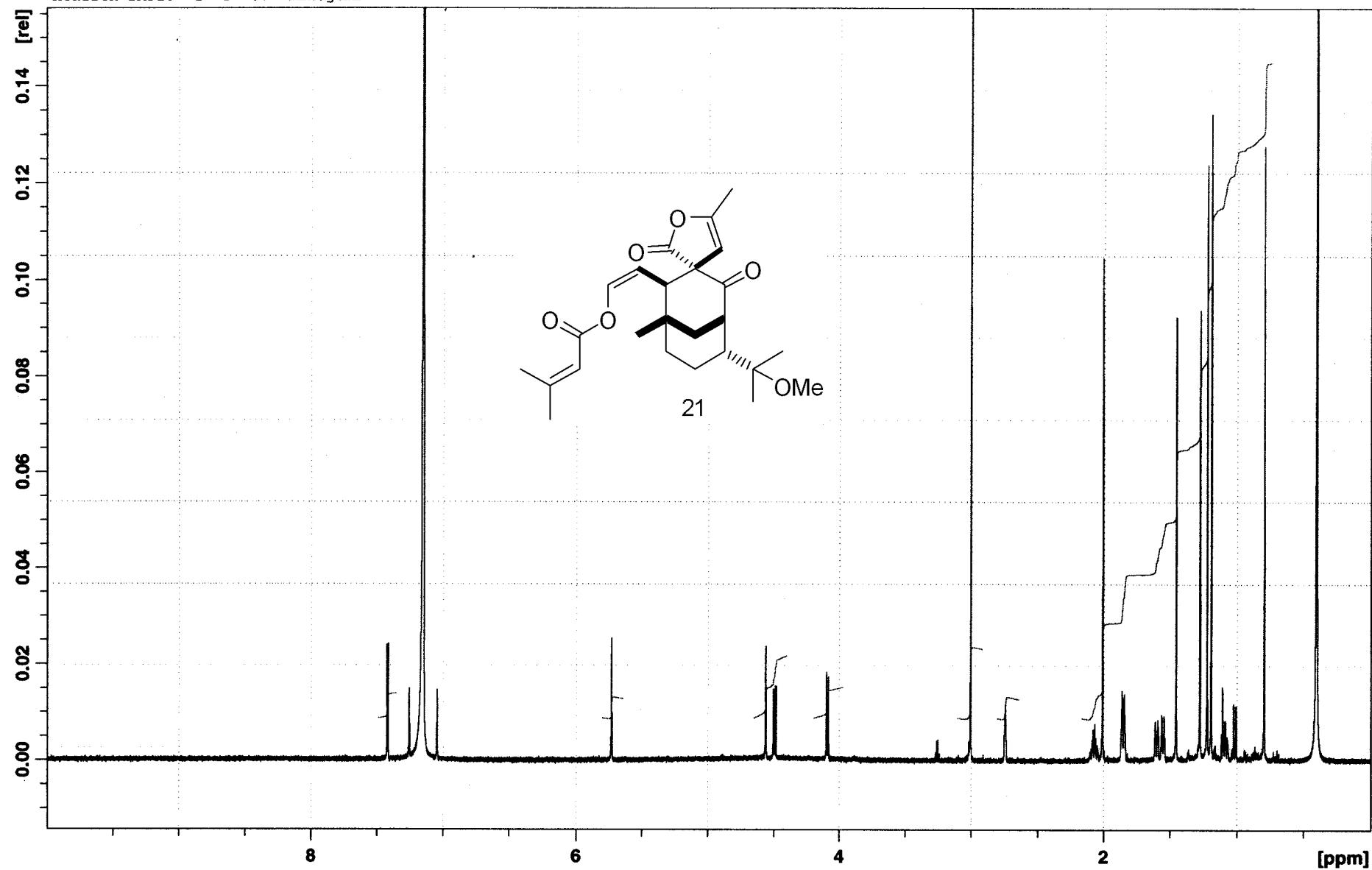


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