Supporting Information

***N*-(17-Acyloxy-acyl)-glutamines; Novel Surfactants from Oral Secretions of Lepidopteran Larvae**

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Nonanedioic acid methylester (2-trimethylsilylethyl)-ester (21)

EI-MS of nonanedioic acid methylester-(2-trimethylsilylethyl)-ester (21)

¹H-NMR (400 MHz) of nonanedioic acid methylester-(2-trimethylsilyl-ethyl)-ester (21)

¹³C-NMR (100 MHz) of nonanedioic acid-methylester-(2-trimethylsilylethyl)-ester (21)

9-Oxononanoic acid-(2-trimethylsilylethyl)-ester (14)

EI-MS of 9-oxononanoic acid-(2-trimethylsilylethyl)-ester (14)

¹H-NMR (400 MHz) of 9-oxononanoic acid-(2-trimethylsilylethyl)-ester (14)

¹³C-NMR (100 MHz) of 9-oxononanoic acid-(2-trimethylsilyl)ester (14)

5-(1,3-Dioxolane-2-yl)-pentan-2-ol (18) **EI-MS of 5-(1,3-dioxolane-2-yl)-pentan-2-ol (18)** **¹H-NMR (400 MHz) of 5-(1,3-dioxolane-2-yl)-pentan-2-ol (18)**

^{13}C -NMR (100 MHz) of 5-(1,3-dioxolane-2-yl)pentan-2-ol (18)

Linolenic acid-4-(1,3-dioxolane-2-yl)-1-methyl-butylester (19)

EI-MS of linolenic acid-4-(1,3-dioxolane-2-yl)-1-methyl-butylester (19)

¹H-NMR (400 MHz) of linolenic acid-4-(1,3-dioxolane-2-yl)-1-methyl-butyl-ester (19)

^{13}C -NMR (100 MHz) of linolenic acid-4-(1,3-dioxolane-2-yl)-1-methylbutylester (19)

Linolenic acid-1-methyl-5-oxopentylester (12)

EI-MS of linolenic acid-1-methyl-5-oxopentylester (12)

¹H-NMR (400 MHz) of linolenic acid-1-methyl-5-oxopentylester (12)

^{13}C -NMR (100 MHz) of linolenic acid-1-methyl-5-oxopentylester (12)

17-Linolenoyloxy-linoleic acid-(2-trimethylsilylethyl)-ester (15)

EI-MS of 17-linolenoyloxy-linoleic acid-(2-trimethylsilylethyl)-ester (15)

¹H-NMR (400 MHz) of 17-linolenoyloxy-linoleic acid-(2-trimethylsilylethyl)-ester (15)

^{13}C -NMR (100 MHz) of 17-linolenoyloxy-linoleic acid-(2-trimethylsilylethyl)-ester (15)

17-Linolenoyloxy-linoleic acid (16)

EI-MS of 17-linolenoyloxy-linoleic acid (16)

¹H-NMR (400 MHz) of 17-linolenoyloxy-linoleic acid (16)

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¹³C-NMR (100 MHz) of 17-linolenoyloxy-linolsäure (16)

***N*-(17-Linolenoyloxy-linoleoyl)-L-glutamine (7)**

APCI-MS of *N*-(17-linolenoyloxy-linoleoyl)-L-glutamine (7)

^1H -NMR (500 MHz) of *N*-(17-linolenoyloxy-linoleoyl)-L-glutamine (7)

^{13}C -NMR (125 MHz) of *N*-(17-linolenoyloxy-linoleoyl)-L-glutamine (7)