Supplementary Data

This supplementary data is a part of a paper entitled "GC-MS and Bioassay-Guided Isolation of Xanthones from *Mammea siamensis*".

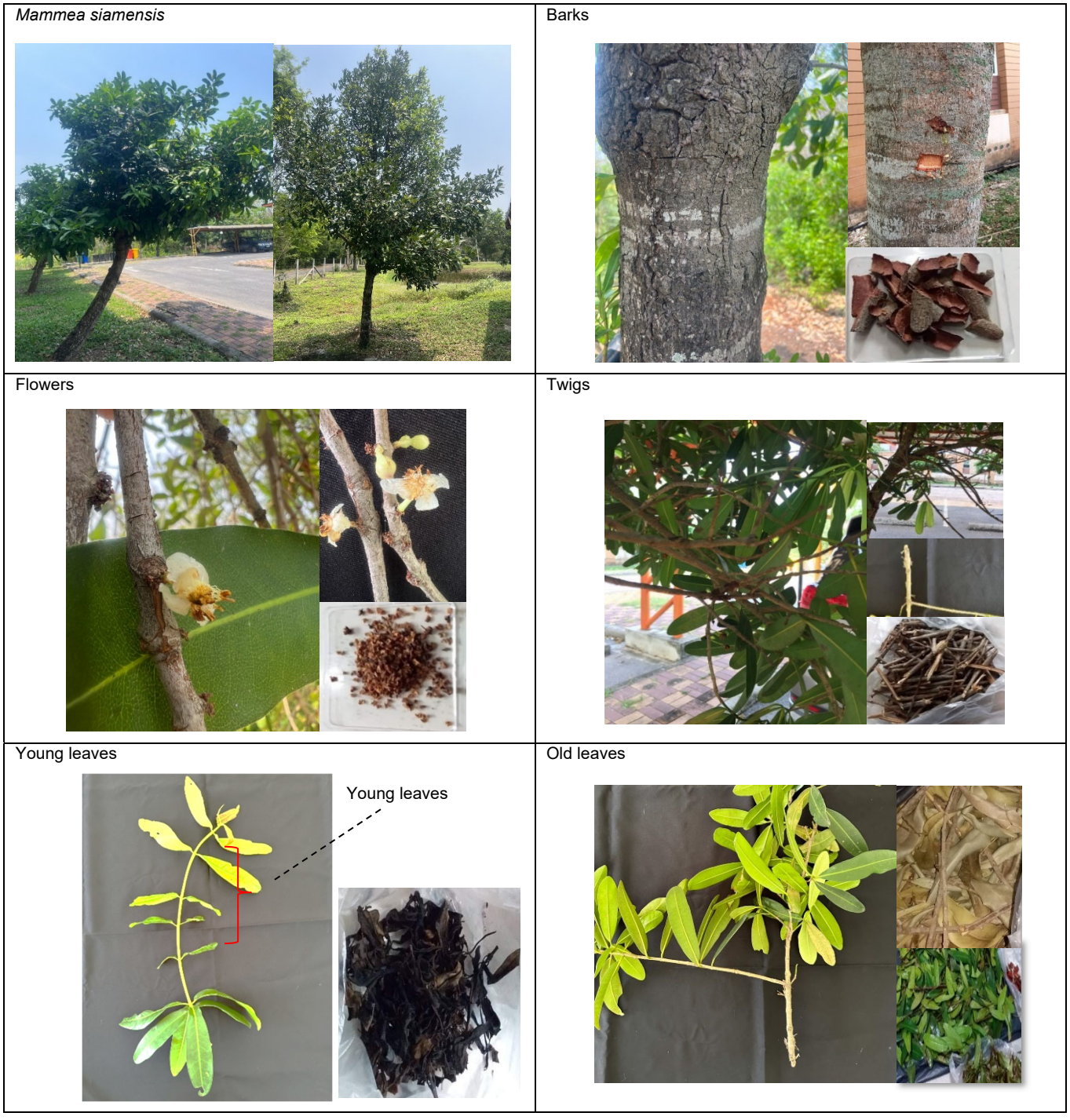

Fig S1. Pictures of *Mammea siamensis* plant and its parts

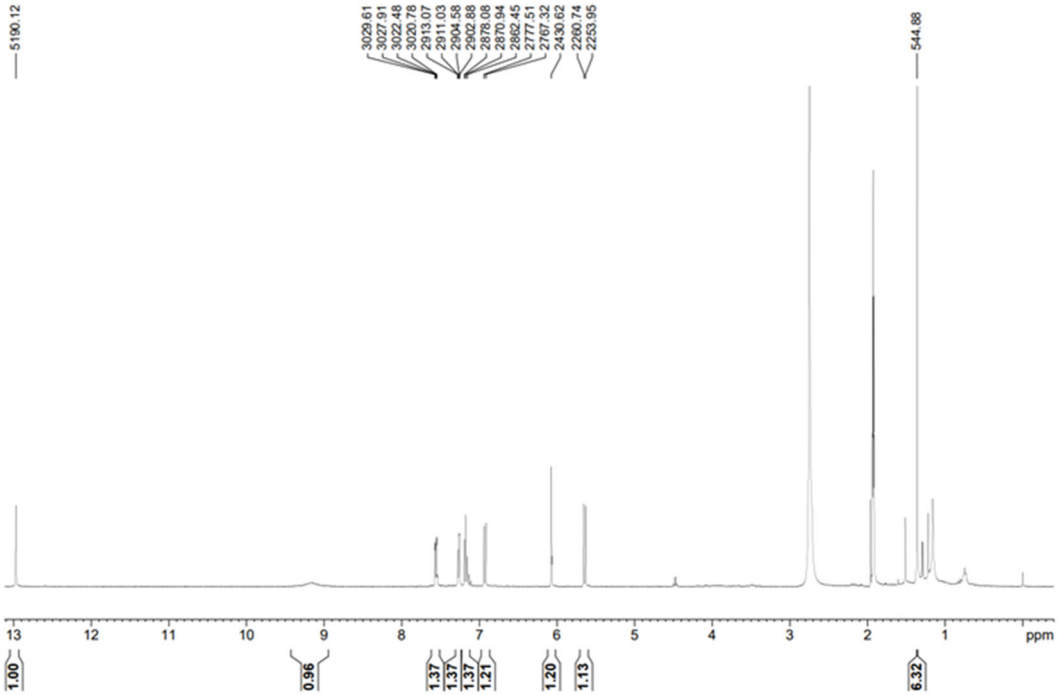

Fig S2. [1]H-NMR of compound **1** in acetone-d_6

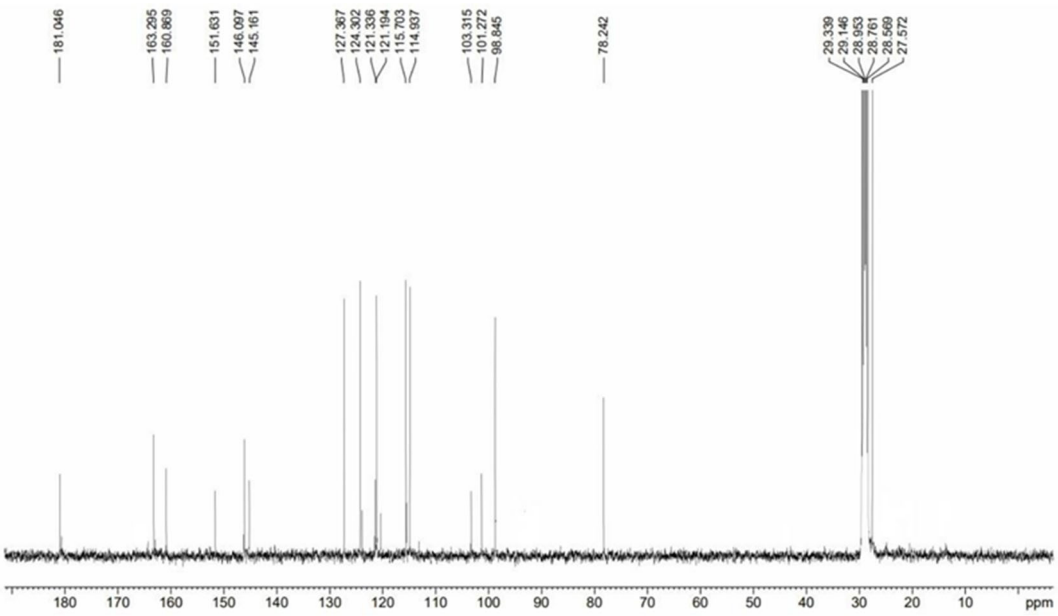

Fig S3. [13]C-NMR of compound **1** in acetone-d_6

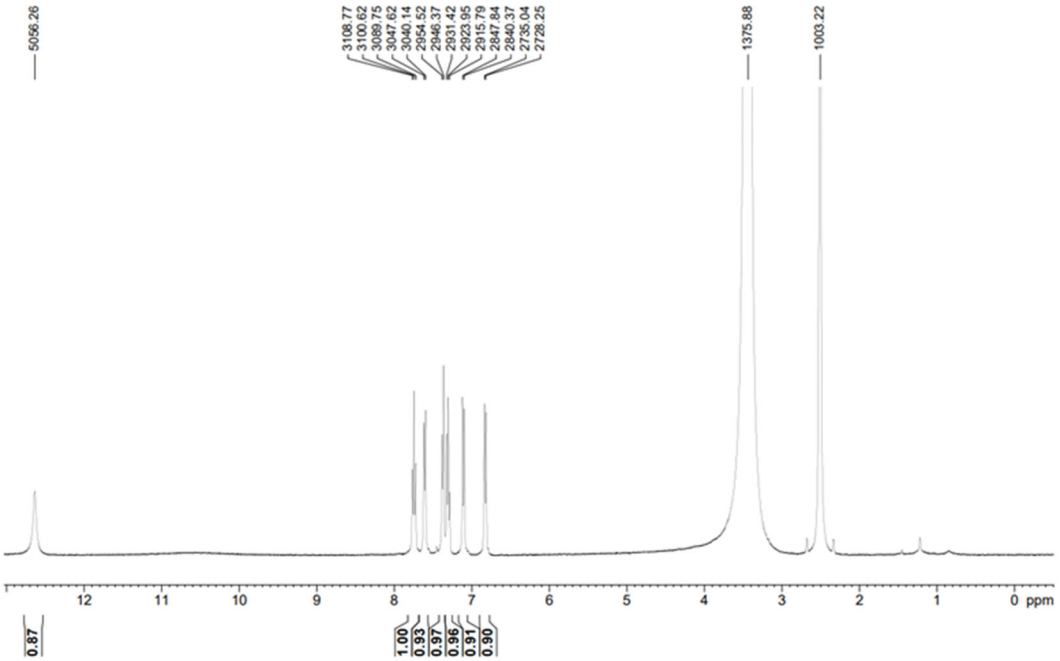

Fig S4. ^{1}H-NMR of compound **2** in DMSO-d_6

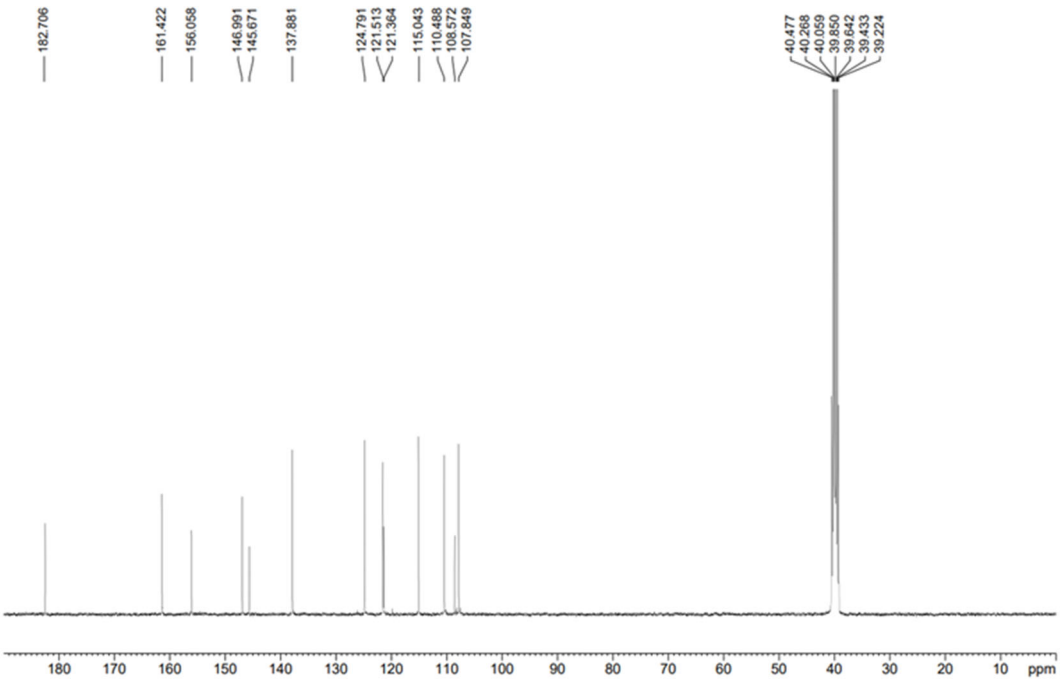

Fig S5. ^{13}C-NMR of compound **2** in DMSO-d_6

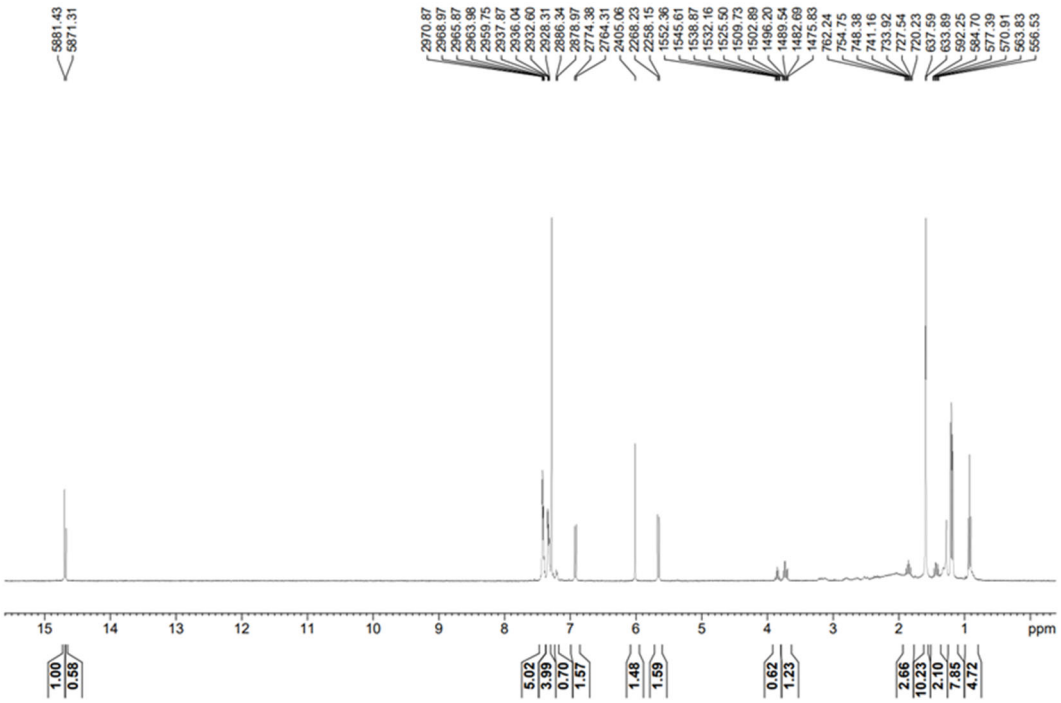

Fig S6. ^{1}H-NMR of a mixture of compounds **3** and **4** in $CDCl_3$

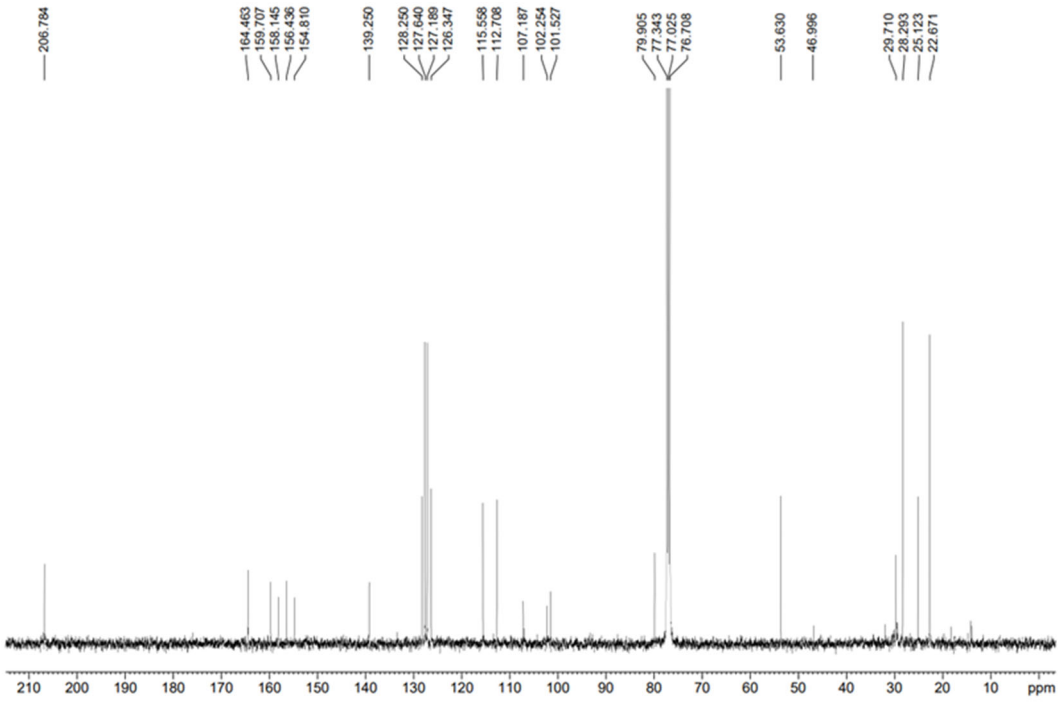

Fig S7. ^{13}C-NMR of a mixture of compounds **3** and **4** in $CDCl_3$

Table S1. Relative constituents from barks, flowers, twigs, leaves and young leaves of *Mammae siamensis* detected by GC-MS data

Compounds	RT (min)	Relative content (%)				
		Barks	Flowers	Twigs	Leaves	Young leaves
Phenolic derivatives						
2,4-Di-*tert*-butylphenol	7.19	0.2	-	0.4	0.2	0.6
Methyl di-*tert*-butylhydroxyhydrocinnamate	9.61	0.2	-	0.3	0.2	-
Methyl 2-ethylhexylphthalate	10.06	0.3	-	0.4	-	0.7
4-Hexylphenol	11.48	-	-	-	-	0.2
5-Hydroxy-2,2,10-trimethyl-6-(2-methylbutanoyl)-2*H*,8*H*-benzo[1,2-b:3,4-b']dipyran-8-one	11.90	0.4	2.6	-	-	0.8
2-Methoxy-3,8-dioxocephalotax-1-ene	12.02	0.6	2.2	-	0.1	1.3
bis(2-Ethylhexyl) phthalate	12.25	-	3.5	2.0	0.9	3.6
2-Amino-α-[2-chlorophenyl]cinnamic acid	12.28	10.5	7.9	1.0	-	4.9
5-Hydroxy-2-(4-hydroxyphenyl)-3,6,7-trimethoxy-4*H*-1-benzopyran-4-one	12.50	0.8	-	-	-	-
1-Phenyl-2-(2-phenyl-4*H*-1-benzopyran-4-yl)-ethanone,	13.13	-	-	-	-	0.1
1,2,3,4-Tetrahydro-6-methoxy-1,1,4,4-tetramethyl-5-(phenylethenyl)anthracene	13.54	7.7	11.4	3.0	0.8	6.8
1-Hydroxy-3,5,8-trimethoxy-4-(3'-methyl-2'-but-2'-enyl)-xanthone	13.68	2.6	8.4	-	-	4.6
(+-)-11,12-*trans*-10,11-Dihydro-12-hydroxy-4-propyl-6,6,11-trimethyl-2*H*,6*H*,12*H*-benzo[1,2-b:3,4:b':5,6-b'']tripyran-2-one	13.74	6.5	-	-	-	1.8
Calanolide A	13.85	-	7.1	-	-	0.8
3,5-*bis*(1,1-Dimethylethyl)-1,2-benzenediol	14.92	-	-	-	-	0.5
9-Methoxy-tetrahydropyrano[2,3-f]isobenzofuran-8-one-2,spiro,2'-hydroxy-4',7'-dimethoxybenzofuran-3'-ol	16.17	-	-	-	-	2.1
Fatty acid and terpenoid derivative						
Caryophyllene	6.73	-	-	-	0.6	0.4
Alloaromadendrene	6.99	-	-	-	-	0.4
Farnesene	7.15	-	-	-	-	0.4
γ-Murolene	7.30	-	-	-	-	0.3
Cadinene	7.42	-	-	-	-	0.3
Caryophyllene oxide	7.60	-	-	-	-	0.5
Hexadecane	7.68	0.4	-	0.6	-	1.2
Deacetyl-coralloidin-B	7.83	-	-	-	-	0.4
α-Humulene epoxide II	7.92	-	-	0.7	0.3	1.7
Muurola-4,10(14)-dien-1-β-ol	7.99	-	-	-	-	0.4
10,10-Dimethyl-2,6-dimethylene-bicyclo[7.2.0]undecan-5β-ol	8.07	-	4.6	-	-	1.5
Octadecane	8.80	0.2	-	0.4	0.3	0.7
Neophytadiene	9.02	-	-	-	1.0	-
n-Hexadecanoic acid	9.67	-	5.0	-	2.0	2.2
Eicosane	9.82	-	-	-	-	0.2
E-15-Heptadecenal	10.24	-	-	-	-	0.6
Cis-9, *trans*-12 methyl linoleate	10.30	0.3	-	1.4	0.3	3.4

Table S1. Relative constituents from barks, flowers, twigs, leaves and young leaves of *Mammae siamensis* detected by GC-MS data (*Continued*)

Compounds	RT (min)	Relative content (%)				
		Barks	Flowers	Twigs	Leaves	Young leaves
Fatty acid and terpenoid derivative						
Methyl 10-octadecenoate	10.37	-	-	-	-	4.3
Phytol	10.39	-	-	-	2.3	3.3
Methyl stearate	10.42	0.6	2.6	1.3	0.9	1.8
9,12-Octadecadienoic acid	10.52	-	-	-	-	1.2
Methyl docosanoate	12.13	-	-	-	-	0.5
(5α)-Androstane-3,17-dione	12.36	6.2	7.3	1.0	-	3.0
Furosardonin A	12.39	-	-	-	-	2.0
Methyl tetracosanoate	12.91	-	-	-	-	0.4
(4a*S*,10a*S*)-7-Isopropyl-1,1,4a-trimethyl-1,2,3,4,4a,5,6,9,10,10a-decahydrophenanthrene	13.22	-	-	-	-	0.3
3-β-Chloro-5-cholestene	16.37	-	-	-	-	2.6
Stigmasterol	16.45	-	9.3	-	1.3	5.8
Inophyllum D	16.69	-	-	-	-	1.4
(3-methyl)-stigmast-5-en-3-ol	17.01	3.3	-	-	4.1	7.7
α-Amyrin	17.99	-	-	-	0.8	1.1