

Supporting Information

Synergistic Anti-*Candida* Activity of Bengazole A in the Presence of Bengamide A

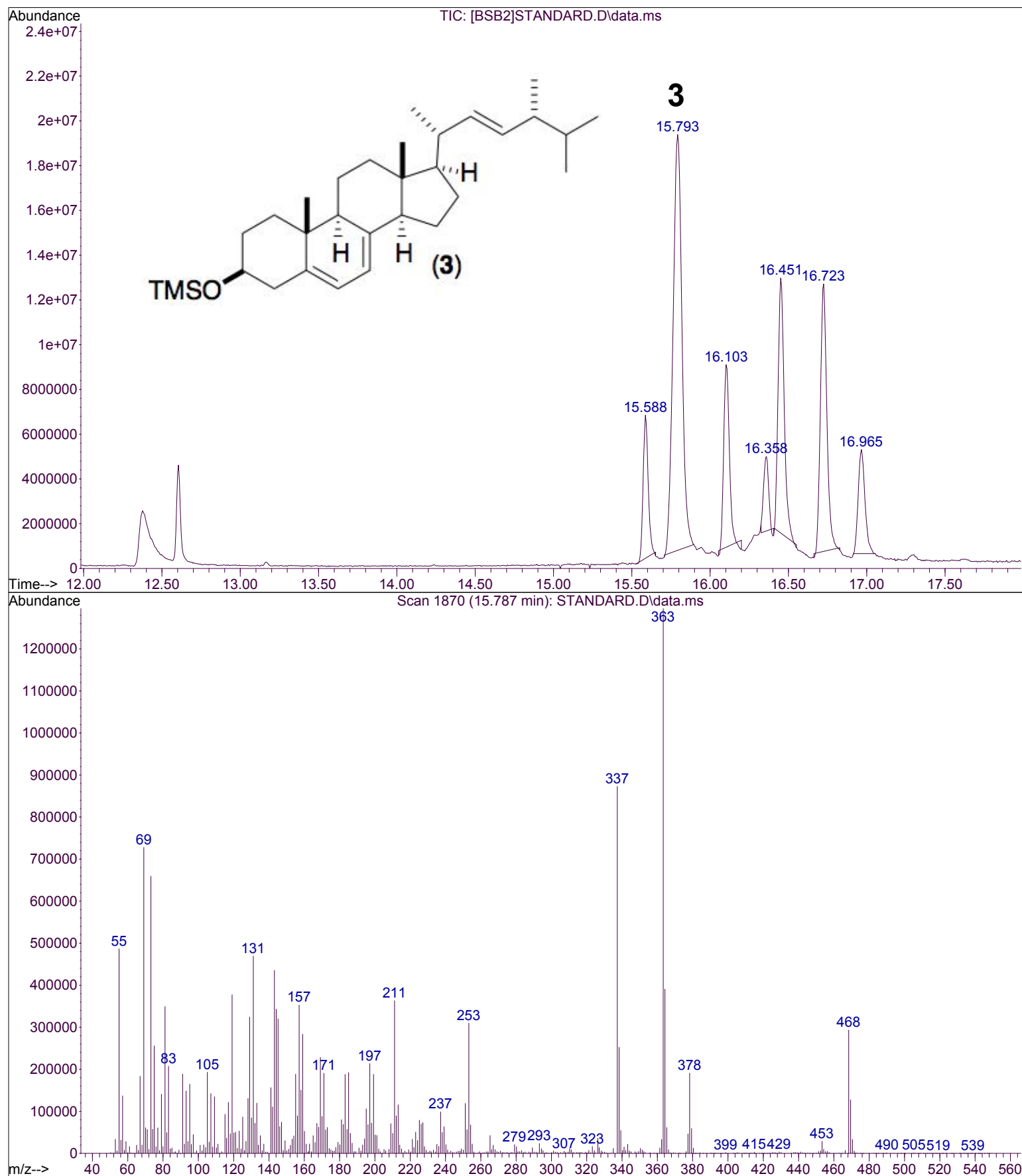
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<i>Page</i>	<i>Title</i>	<i>Content</i>
S1	Figure S1	LCMS of TMS-sterols from <i>Candida albicans</i> , Incubated with Media, Only.
S2	Figure S2	LCMS of TMS-sterols from <i>C. albicans</i> , Incubated with Bengazole A (2).
S3	Figure S3	LCMS of TMS-sterols from <i>C. albicans</i> , Incubated with Clotrimazole (5).
S4	Figure S4	Notebook page, see Reference #15.

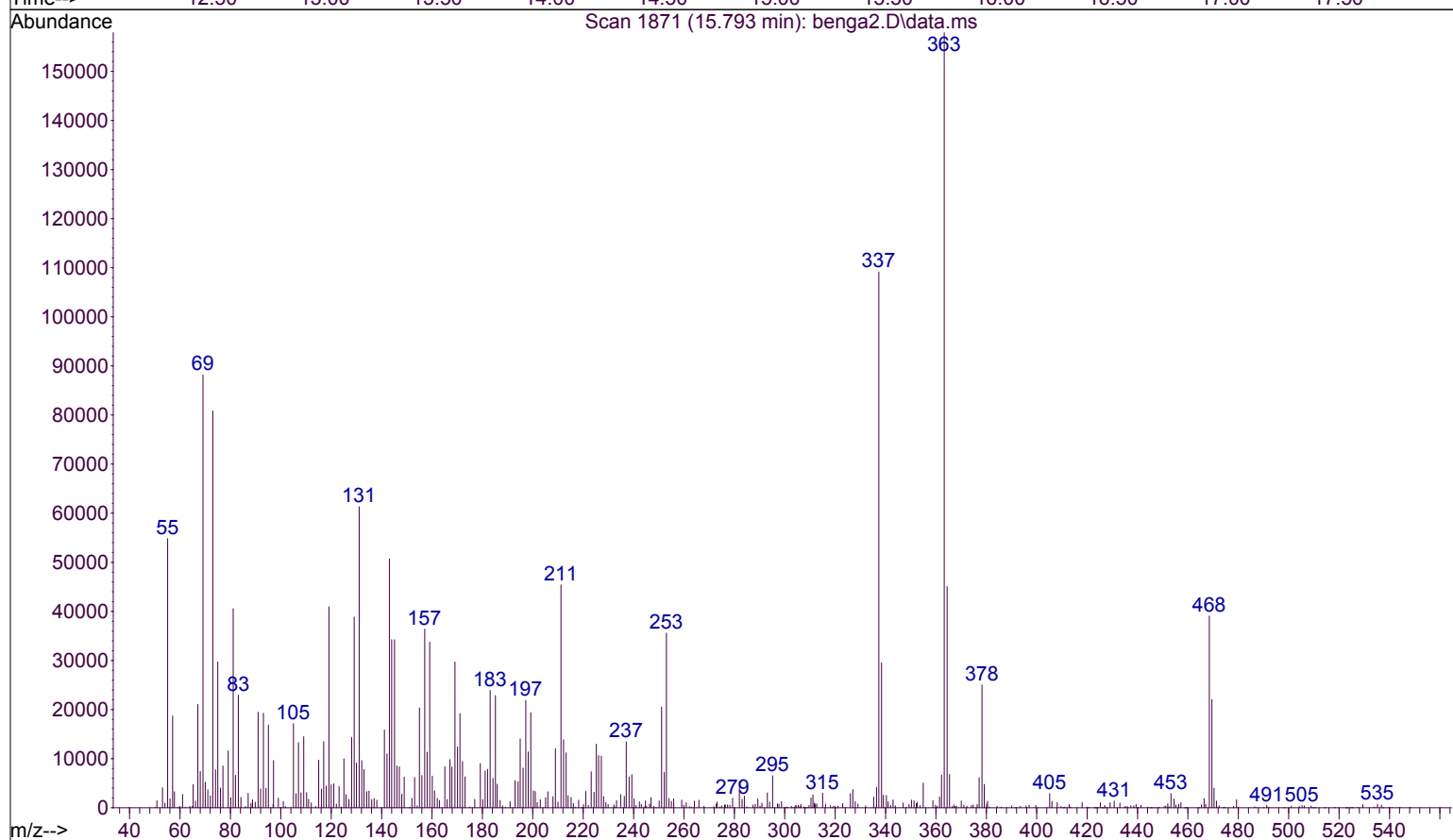
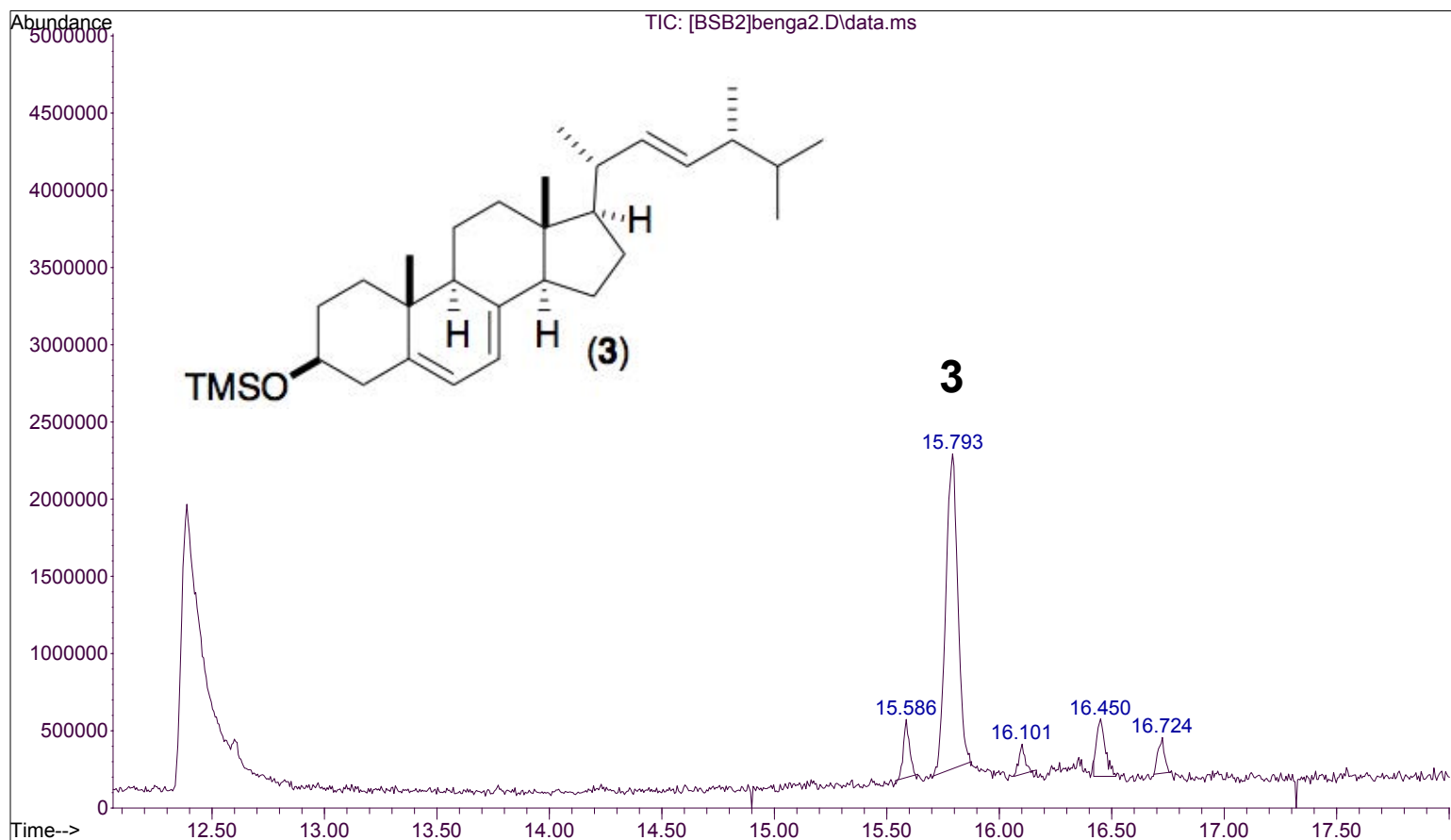
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Operator : [BSB2]Matt
Acquired : 7 Oct 2015 16:36 using AcqMethod STEROL-TMS.M
Instrument : GCMS
Sample Name: Standard
Misc Info :
Vial Number: 2

Figure S1. LCMS of TMS-sterols from *Candida albicans*, Incubated with Media, Only.



File :D:\GCMS_DATA\2015\100715-Matthew-Sterol\BSB\benga2.D
Operator : [BSB2]Matt
Acquired : 7 Oct 2015 17:06 using AcqMethod STEROL-TMS.M
Instrument : GCMS
Sample Name: benga2
Misc Info :
Vial Number: 3

Figure S2. LCMS of TMS-sterols from *Candida albicans*, Incubated with Bengazole A (2)



File :D:\GCMS_DATA\2015\091715-Matthew-Sterol\BSB\Clotri.D
Operator : [BSB2]Biswa
Acquired : 17 Sep 2015 17:50 using AcqMethod STEROL-TMS.M
Instrument : GCMS
Sample Name: Clotri
Misc Info :
Vial Number: 4

Figure S3. LCMS of TMS-sterols from *Candida albicans*, Incubated with Clotrimazole(5)

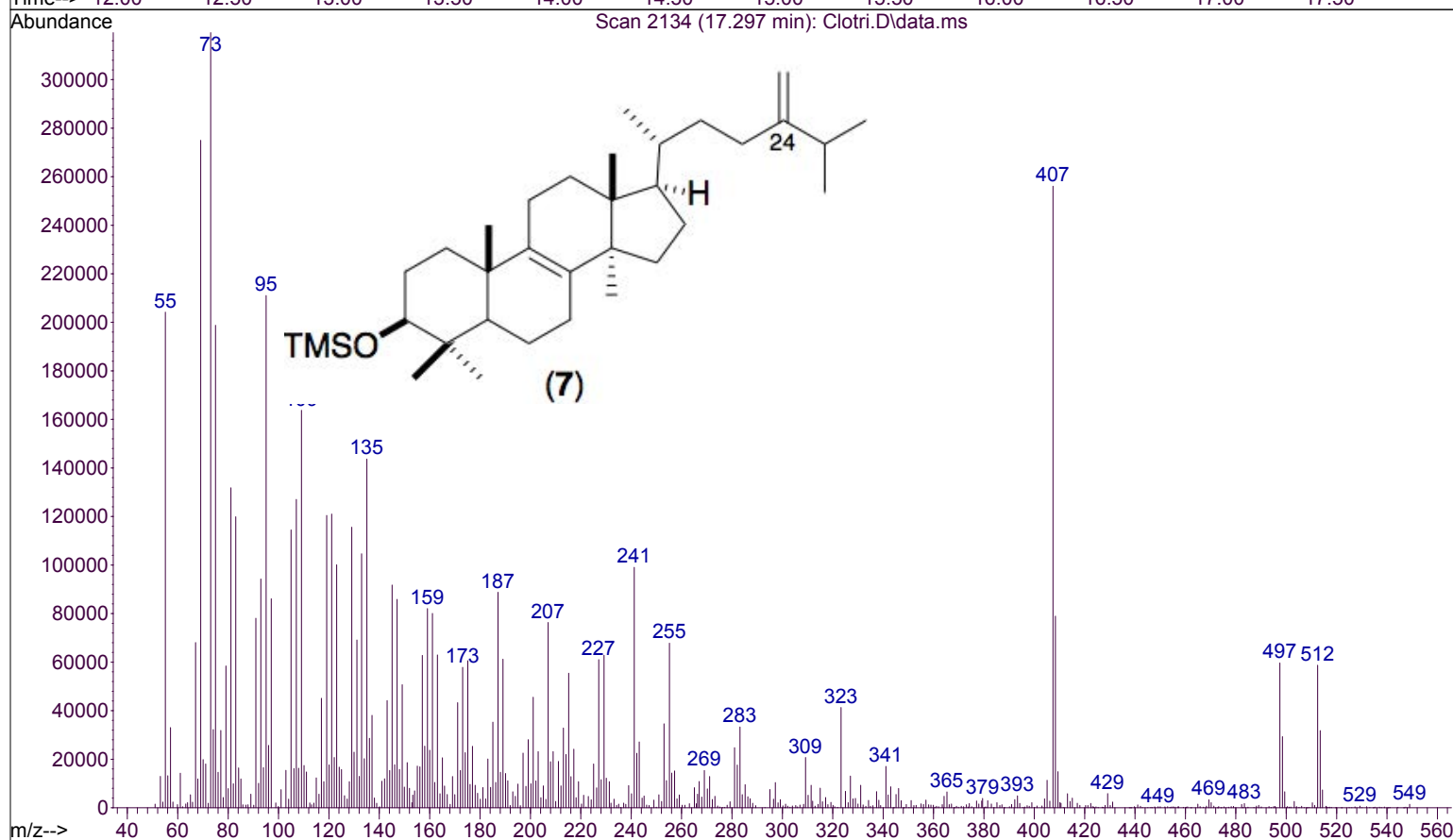
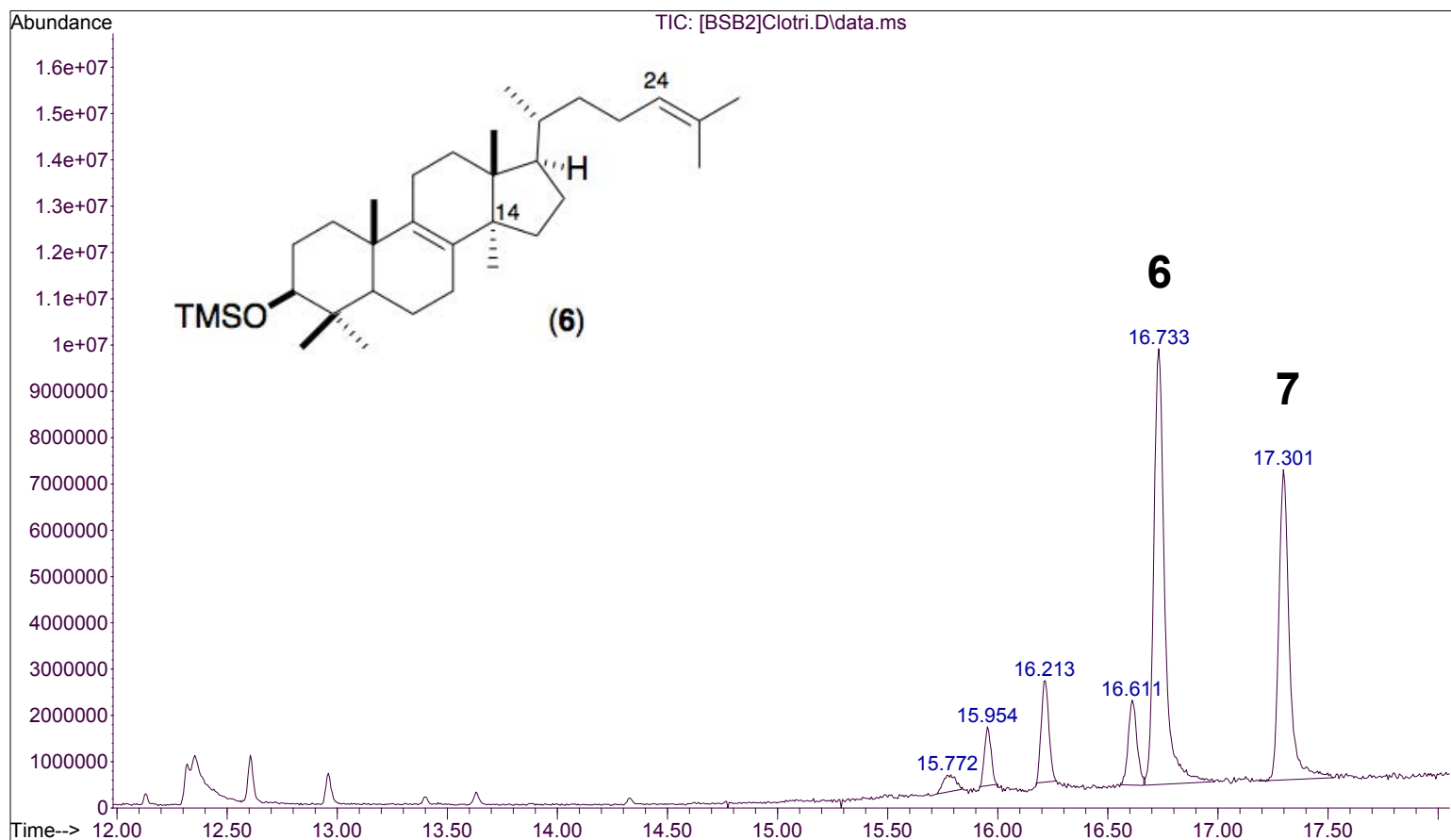


Figure S4: See footnote #2

90-04-026

06/11/90 0036

Sponge:- Bright orange, encrusting, small. Grown with conglomerated coral rubble, shells (bivalves), etc.

Location:- Collected Norman Reef, -10 m, 05/10/90.
Great Barrier Reef, Australia.

Identification:- 02192 Jaspis sp. (MK Harper, Scripps)

Activity:- C. albicans +++++?

Extraction:- Freeze dried entire sample. (48h). Dry material (13.50g) soaked in methanol (24h). Solvent extract filtered off and fresh methanol added to sponge. 06/12/90
Extracted residue of sponge =

1st Methanol extract:- Partitioned according to Kupchan scheme as follows. Total volume of MeOH extract = 230 mL.

90-04-026-1:- Added 10% v/v H_2O ^(23 mL), extracted one with equal volume of n-hexane, followed by second extraction with 1/3 volume (70 mL). Combined hexane (upper) layers, dried (Na₂SO₄) and evaporated to give yellow brown oil (117.7 mg).

90-04-026-2:- Added further 23 mL of H_2O (total 20% v/v) to lower phase and extracted ^{but} as above with CCl_4 as described above. Obtained green yellow oil (92.8 mg.)

90-04-026-3:- Added 46 mL H_2O (total 40% v/v H_2O) and extracted with CCl_4 as described above to obtain yellow/green oil (137.8 mg). Soluble in MeOH/insoluble in $CHCl_3$.

Aqueous methanol phase was lyophilized (1.10g).
90-04-026-4. pale green/white solid

Testing Against Candida albicans @ ~~Agar~~ disk.
90-04-026-1
0
0
* irregular
-2 ^{mm}
*
>40 mm
9 mm
-3 ^{mm}
*
~20 mm
9 mm
-4 ^{mm}
*
0
0
0
15 µg disk
1.5 µg disk