

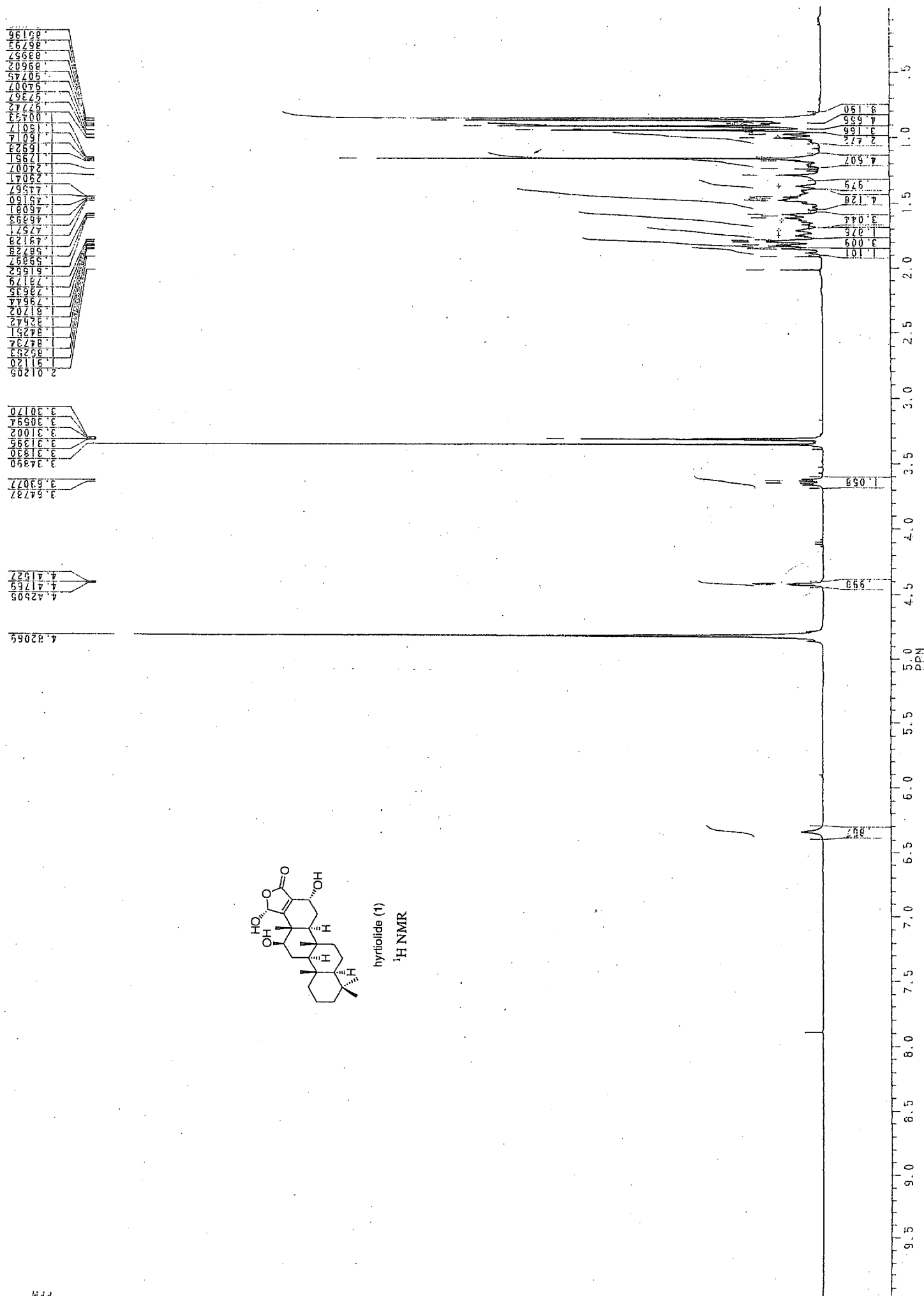
Three New Scalarane Sesterterpenoids from Okinawan Sponge *Hyrtios erectus*

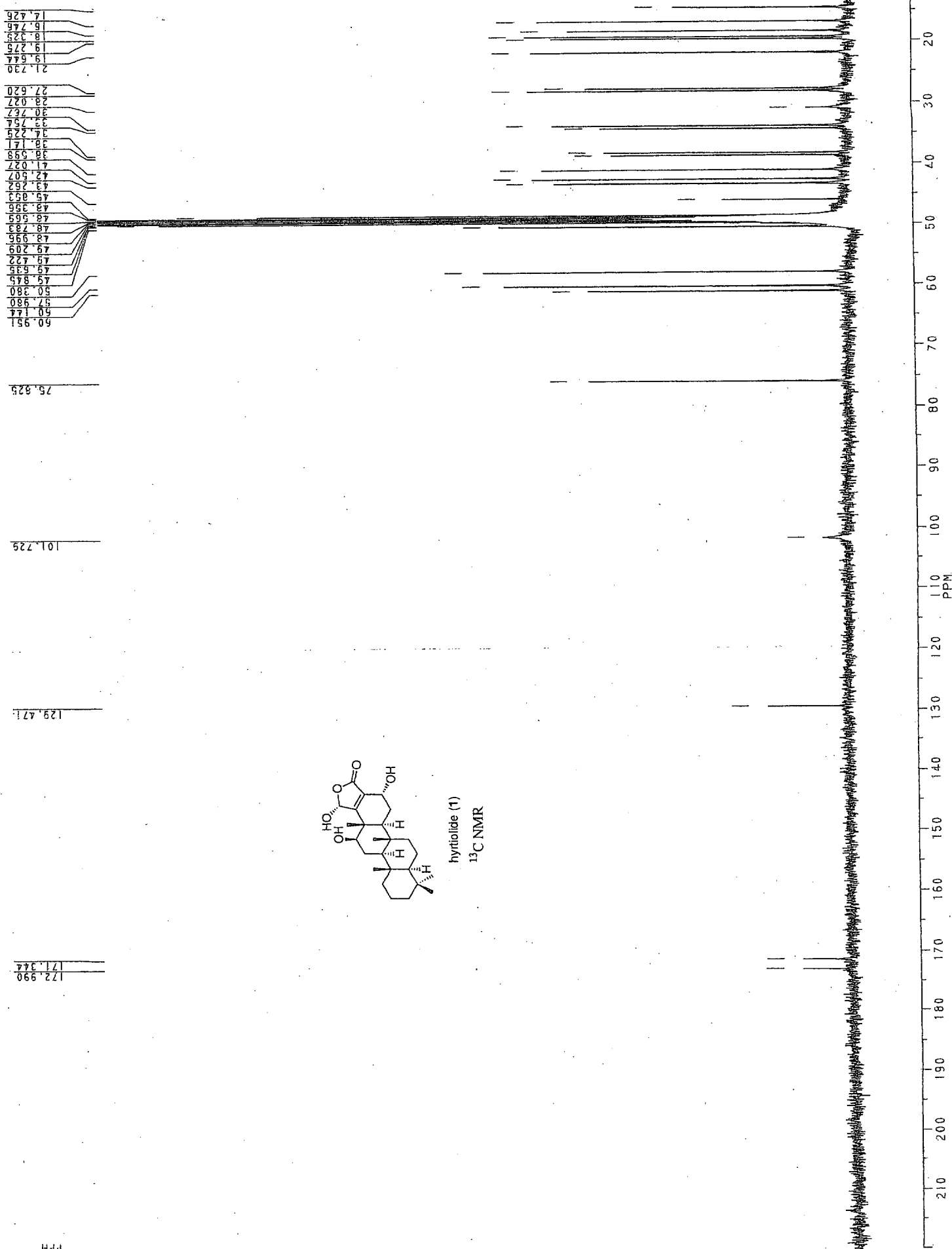
Hiroaki Miyaoka, Satoshi Nishijima, Hidemichi Mitome and Yasuji Yamada*

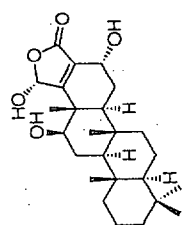
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1432-1 Horinouchi, Hachioji, Tokyo 192-0392, Japan

List of Supplementary Materials

¹ H NMR spectrum of hyrtiolide (1)	- - - - -	S2
¹³ C NMR spectrum of hyrtiolide (1)	- - - - -	S3
H-H COSY spectrum of hyrtiolide (1)	- - - - -	S4
HMQC spectrum of hyrtiolide (1)	- - - - -	S5
HMBC spectrum of hyrtiolide (1)	- - - - -	S6
NOESY spectrum of hyrtiolide (1)	- - - - -	S7
¹ H NMR spectrum of 16-hydroxyscalarolide (2)	- - - - -	S8
¹³ C NMR spectrum of 16-hydroxyscalarolide (2)	- - - - -	S9
H-H COSY spectrum of 16-hydroxyscalarolide (2)	- - - - -	S10
HMQC spectrum of 16-hydroxyscalarolide (2)	- - - - -	S11
HMBC spectrum of 16-hydroxyscalarolide (2)	- - - - -	S12
NOESY spectrum of 16-hydroxyscalarolide (2)	- - - - -	S13
¹ H NMR spectrum of 12-deacetyl- Δ^{17} -hyrtial (3)	- - - - -	S14
¹³ C NMR spectrum of 12-deacetyl- Δ^{17} -hyrtial (3)	- - - - -	S15
H-H COSY spectrum of 12-deacetyl- Δ^{17} -hyrtial (3)	- - - - -	S16
HMQC spectrum of 12-deacetyl- Δ^{17} -hyrtial (3)	- - - - -	S17
HMBC spectrum of 12-deacetyl- Δ^{17} -hyrtial (3)	- - - - -	S18
NOESY spectrum of 12-deacetyl- Δ^{17} -hyrtial (3)	- - - - -	S19

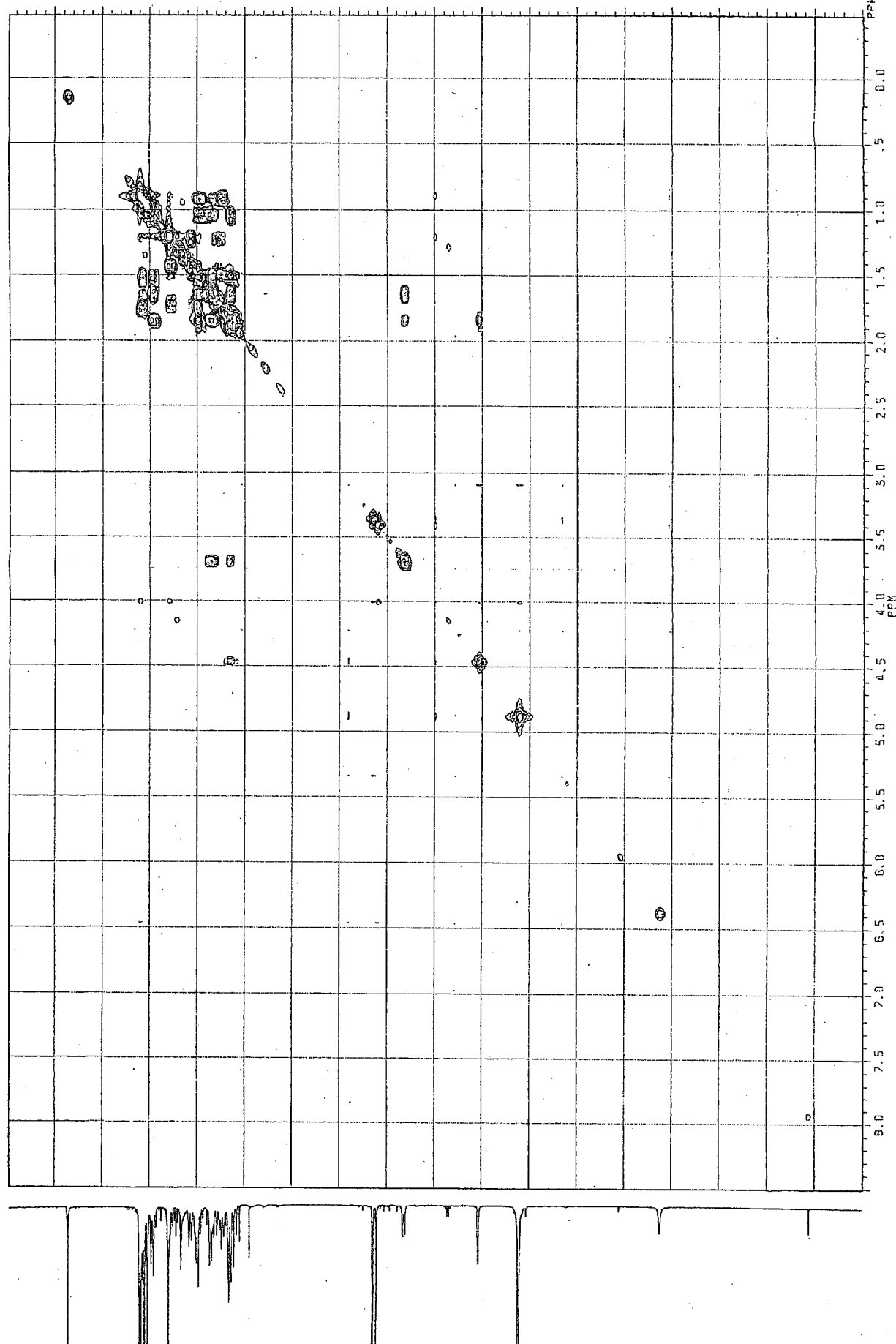


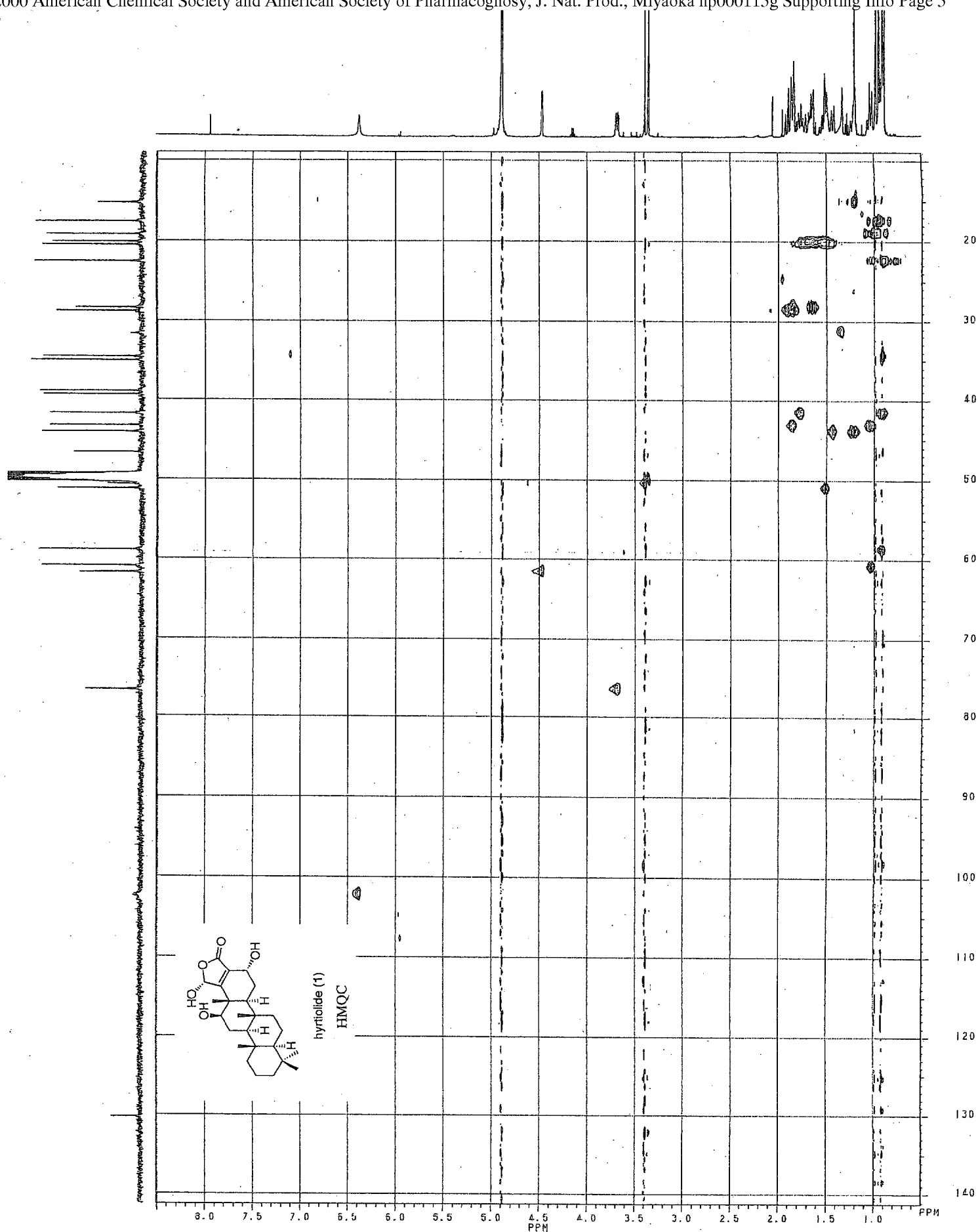


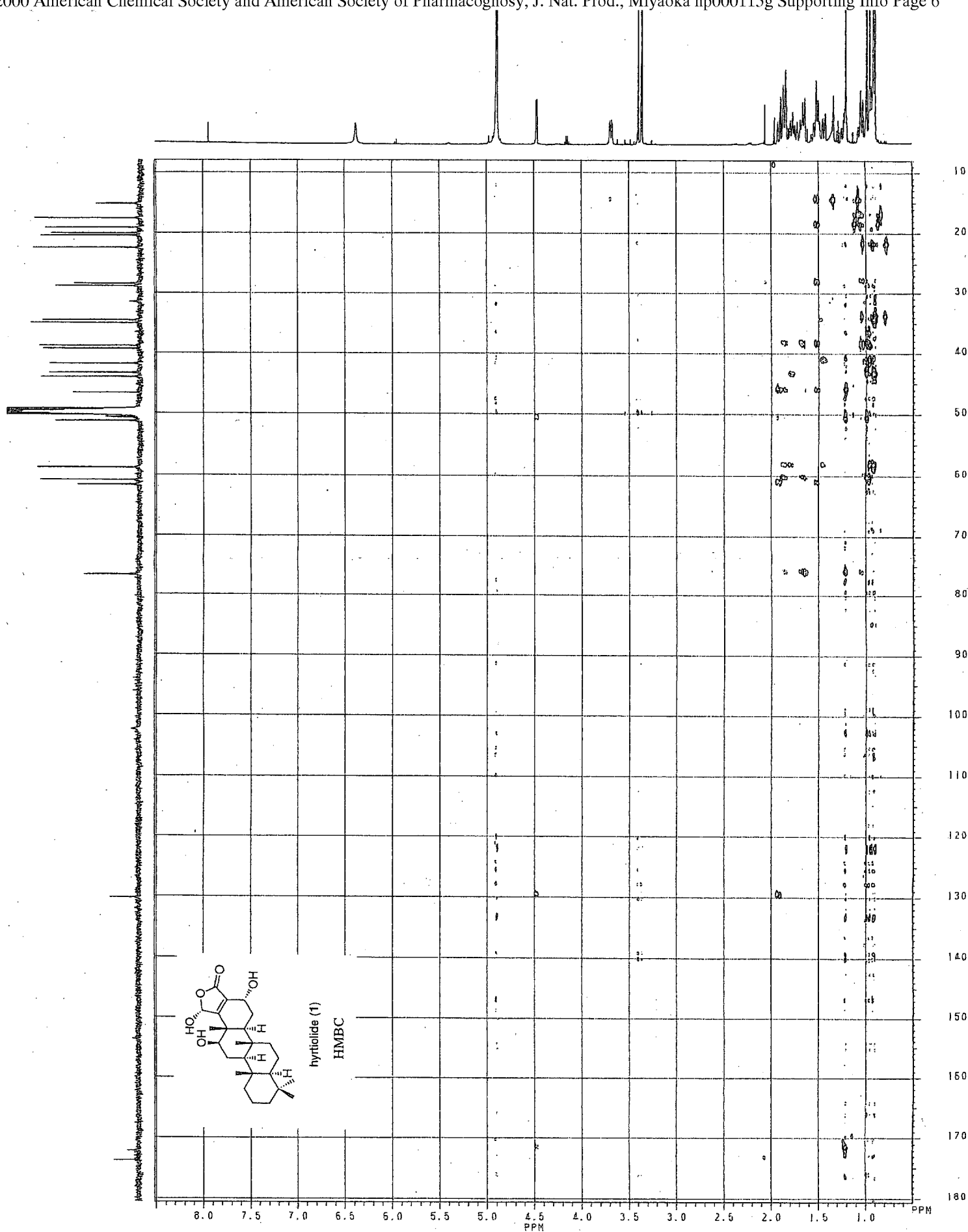


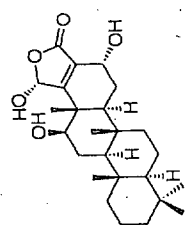
S-95-1-G / CD300 H-H COSY

hyrtiolide (1)
H-H COSY



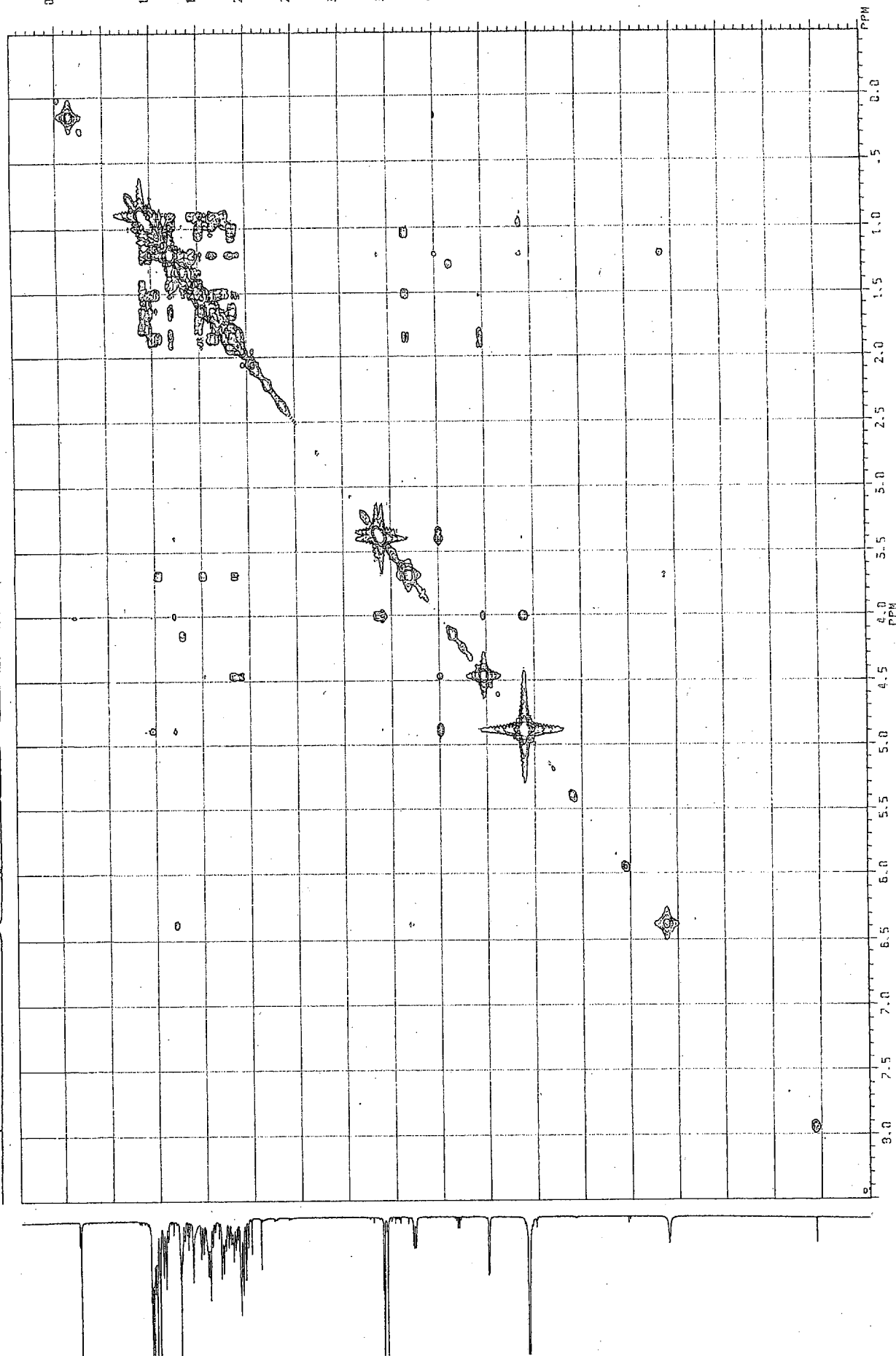


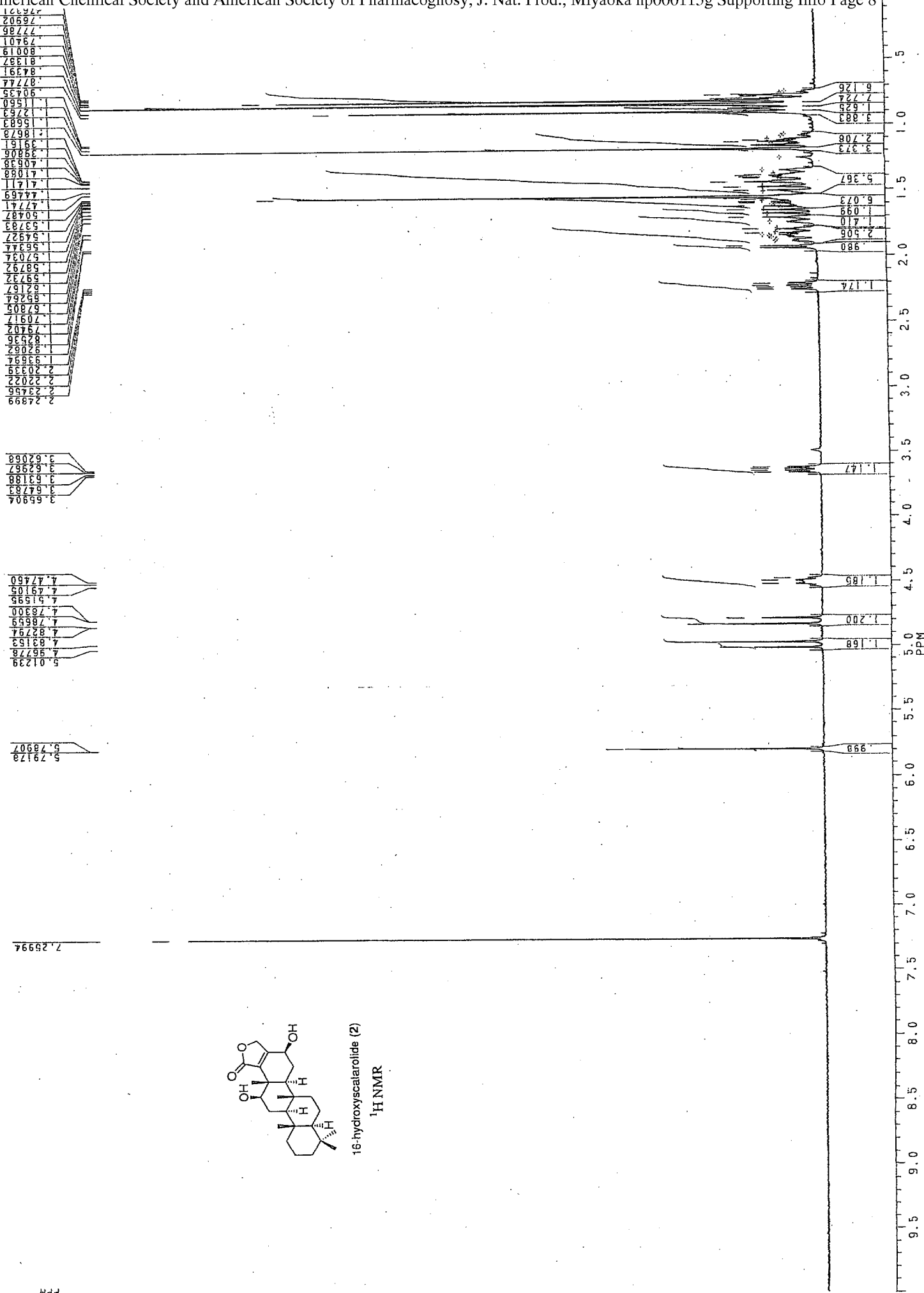




S-95-1-G / CDCL3 2D-NOESY

hyrtiolide (1)
NOESY





15.927
16.717
17.408
18.204
18.656
21.281
25.665
28.164
33.277
37.022
37.423
39.688
41.672
42.045

54.266
56.692
57.966

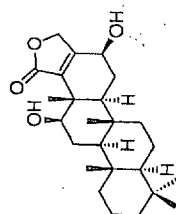
67.887
70.706
76.683
77.001
77.213
77.319

136.949

162.261

175.592

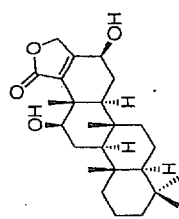
PPM



16-hydroxyscalarolide (2)

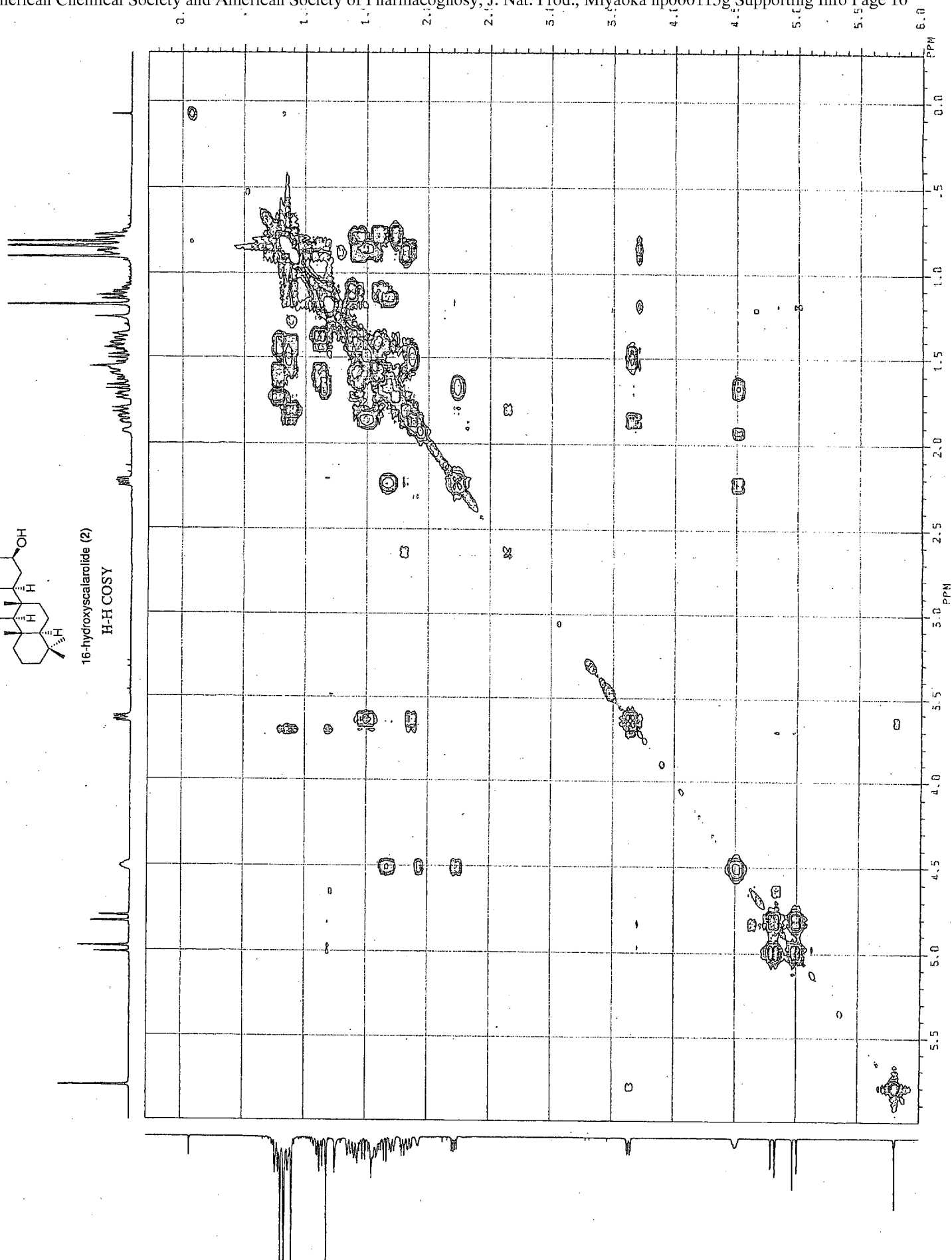
¹³C NMR

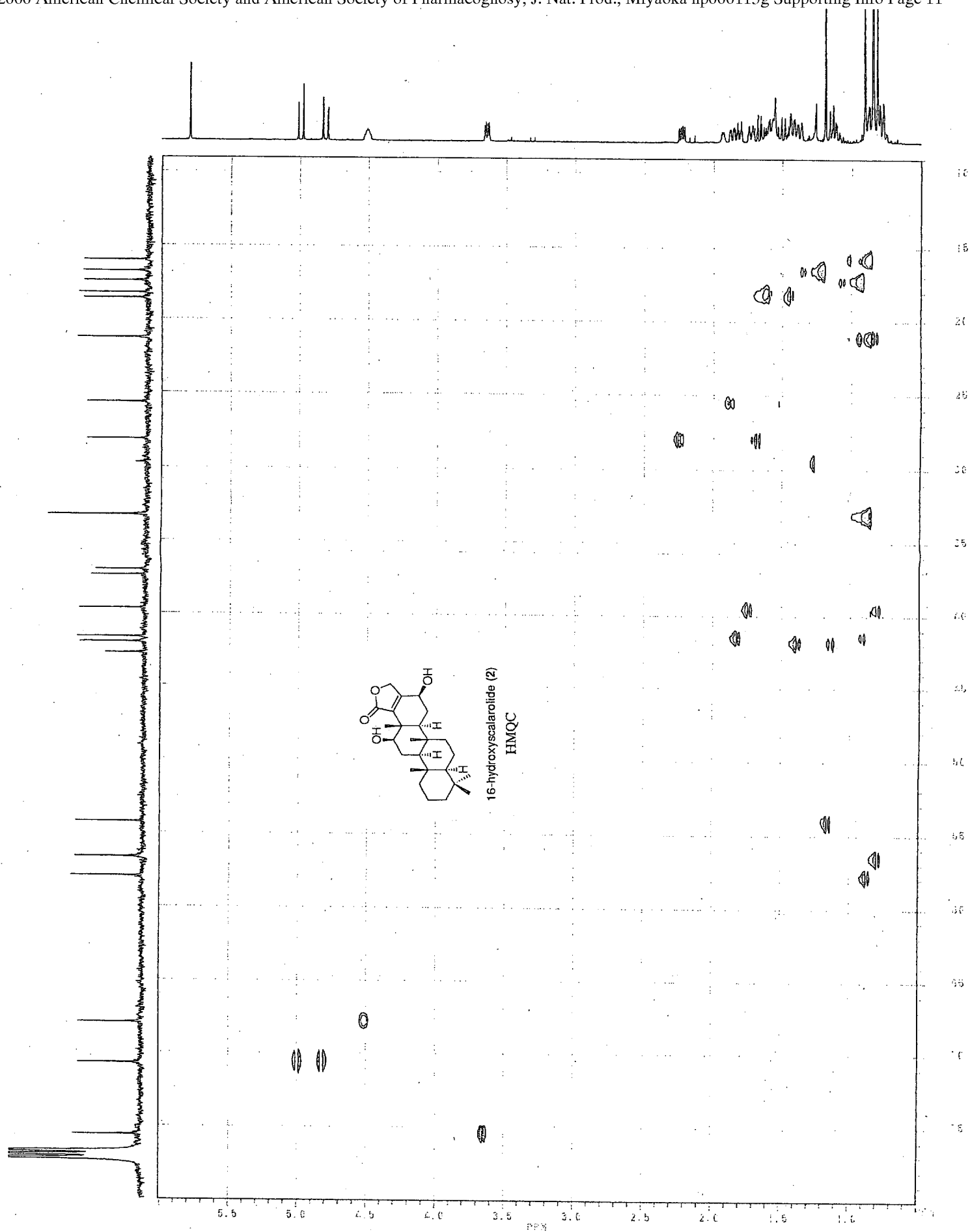
10
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120
130
140
150
160
170
PPM

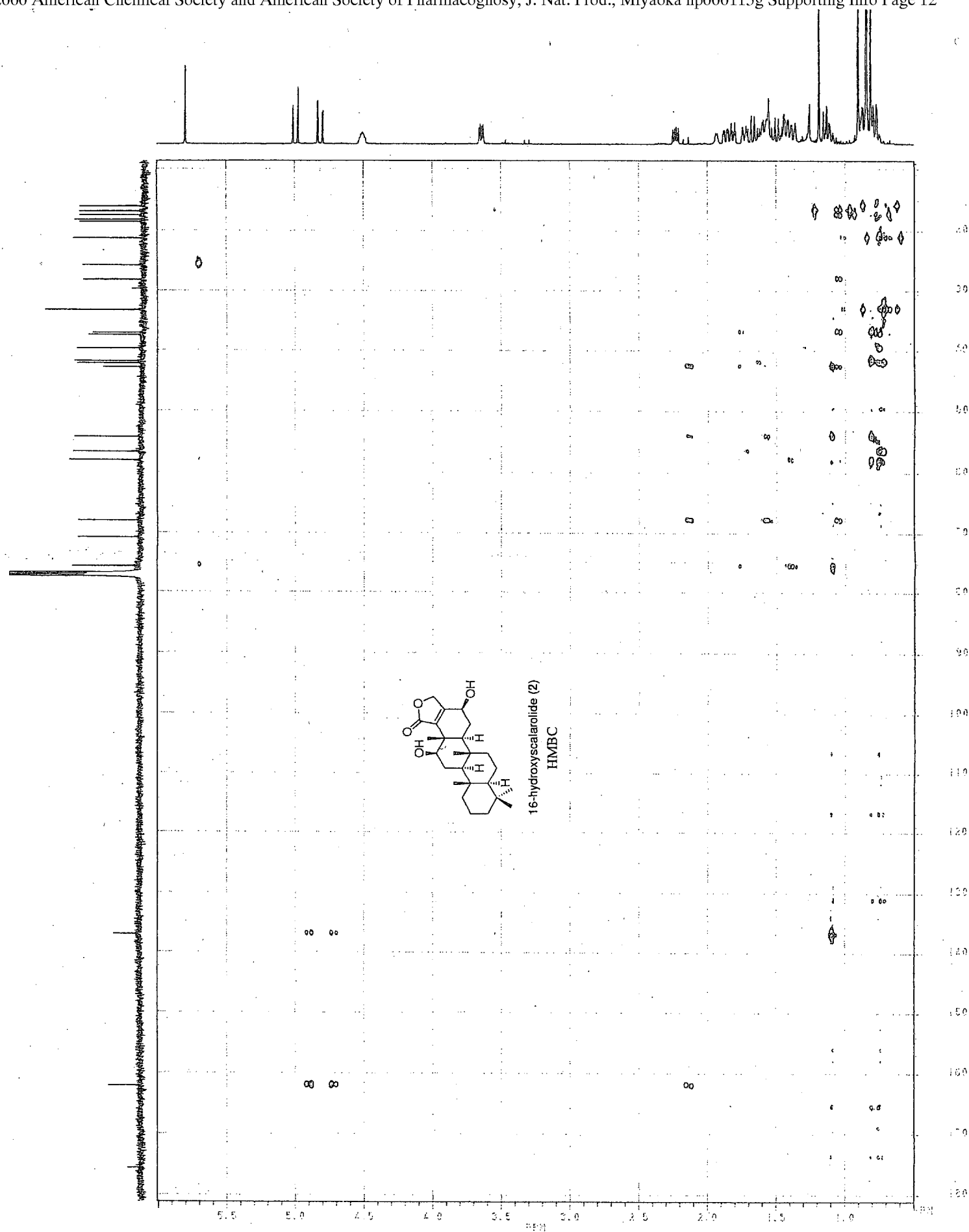


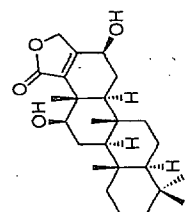
16-hydroxyscalaride (2)
H-H COSY

S-94-1-F / CDCL3 H-H COSY





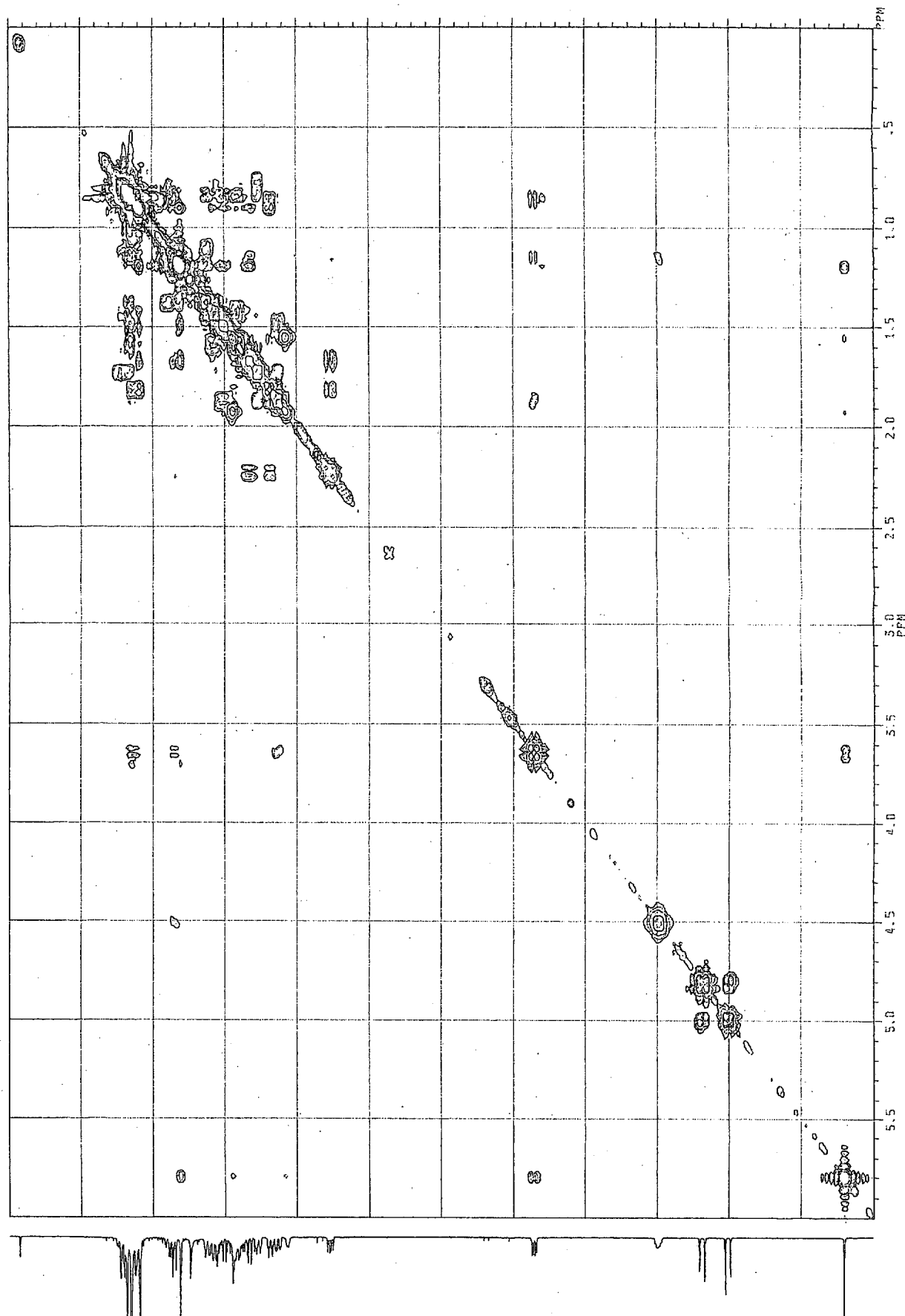


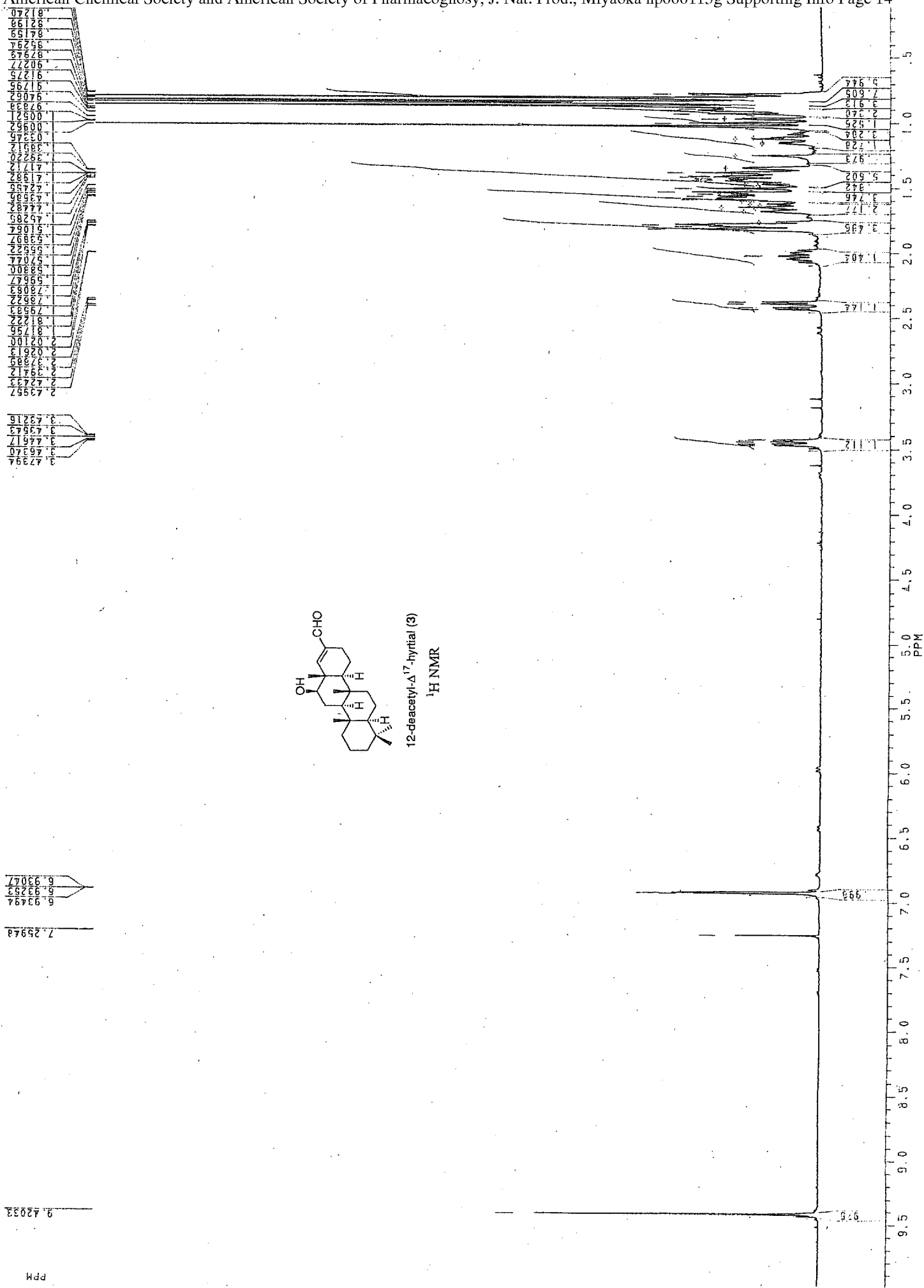


16-hydroxyscalarolide (2)

NOESY

S-94-1-F / CDCL3 2D-NOESY





27.241
23.068
21.081
19.601
18.154
17.597
16.746
16.073
15.555

33.307
37.470
37.595
39.934
41.405
42.520
42.521

53.937
56.740
58.788

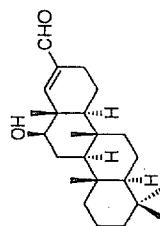
77.321
77.004
76.762
76.696

138.039

158.322

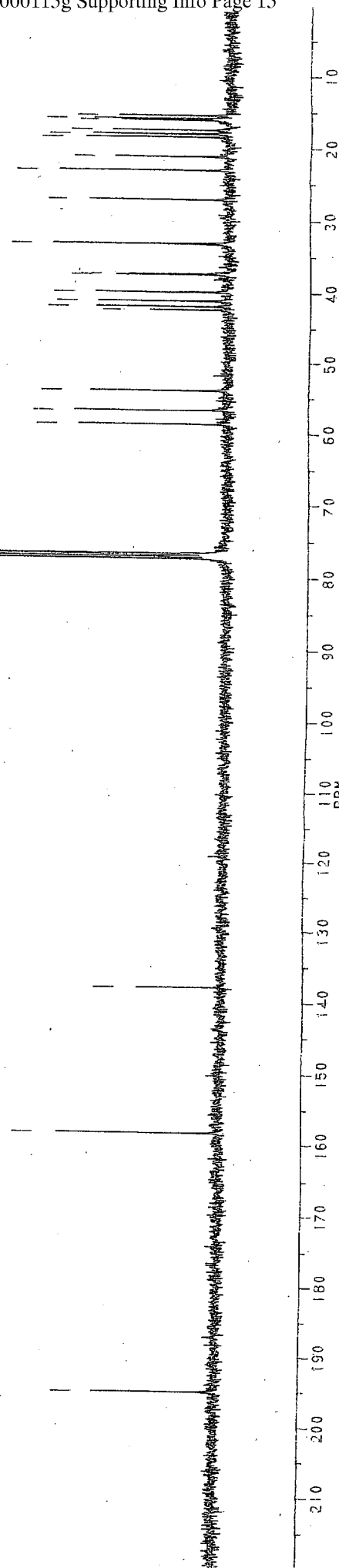
195.111

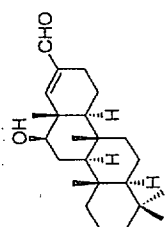
PPM



12-deacetyl- Δ^{17} -hyrtial (3)

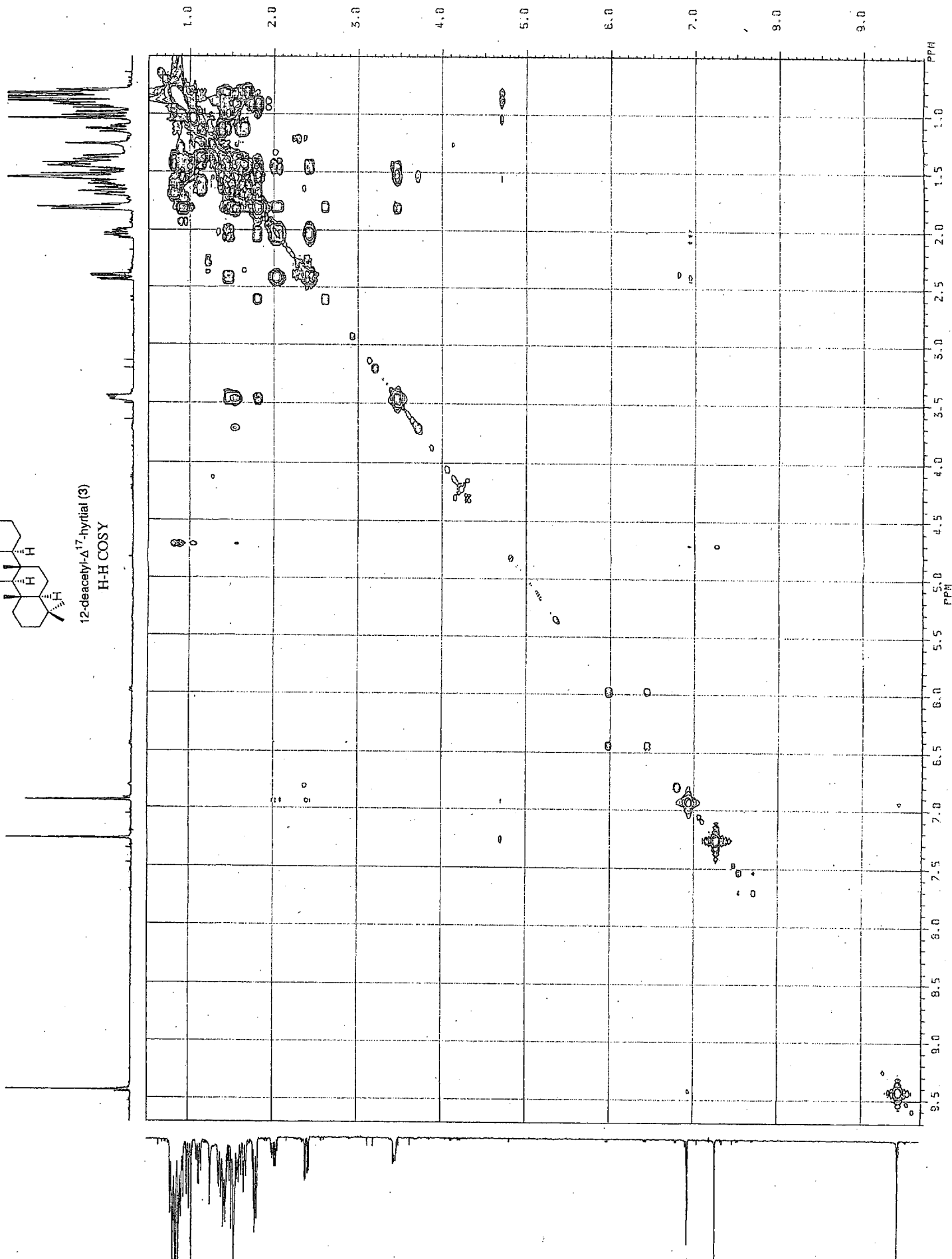
^{13}C NMR

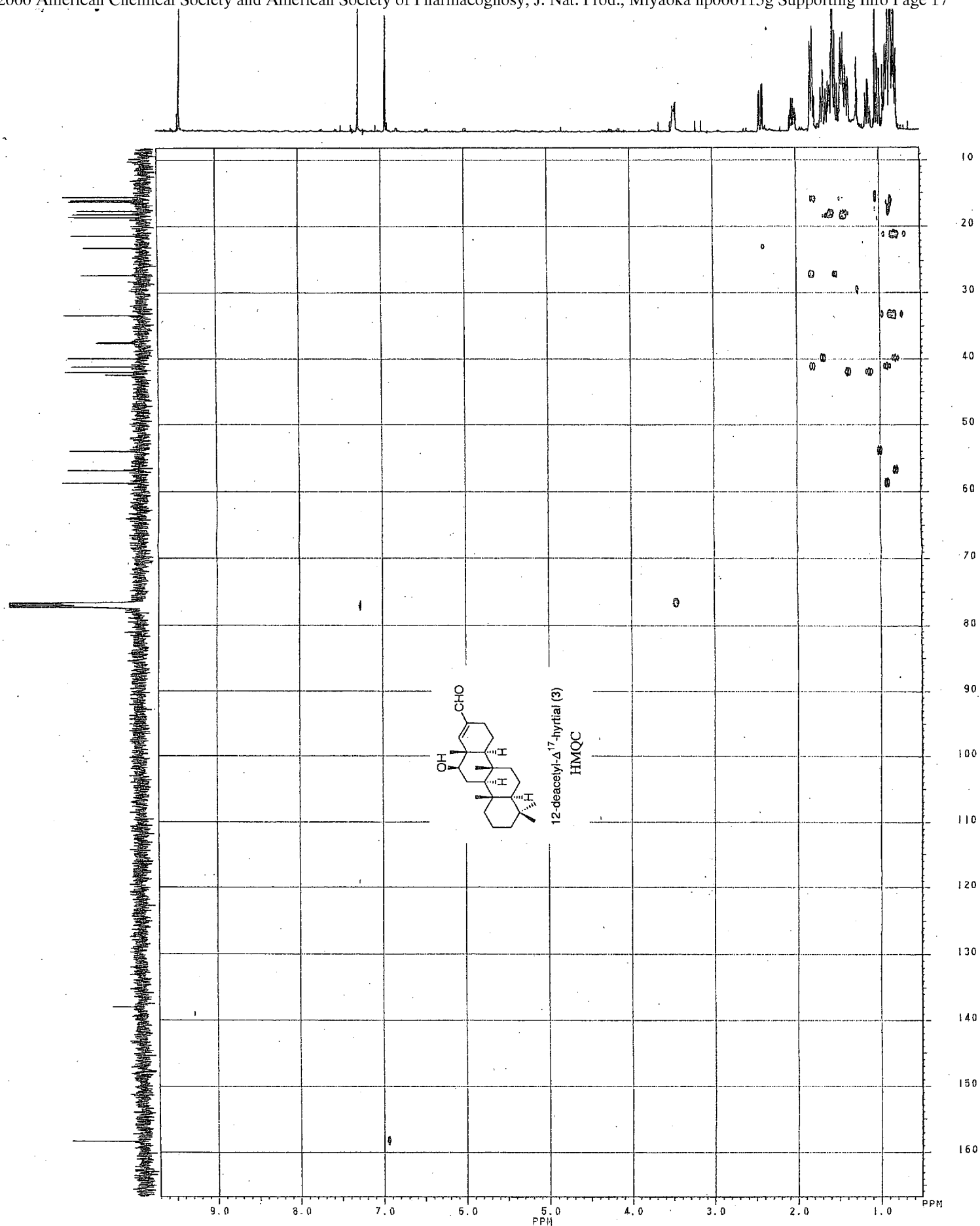


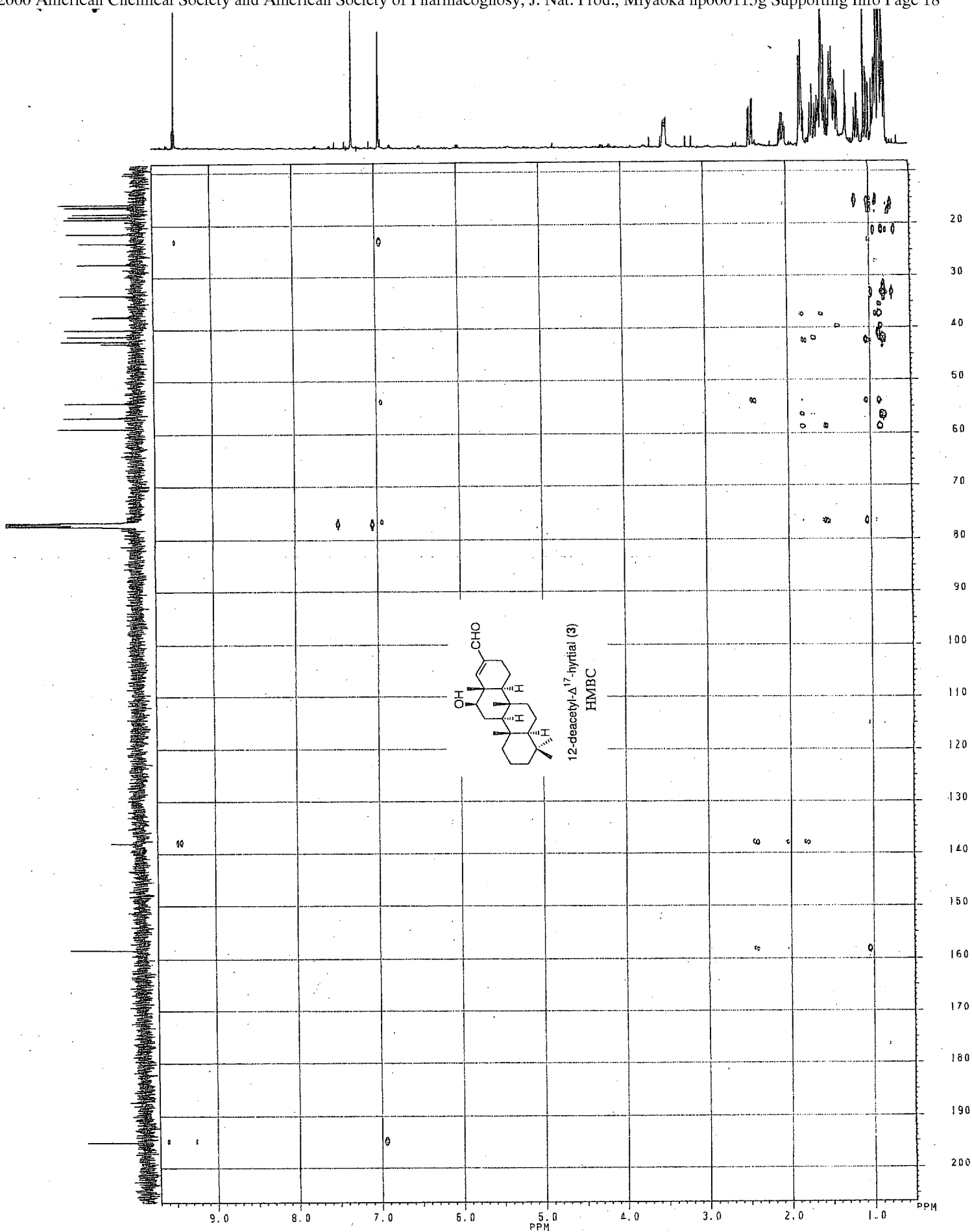


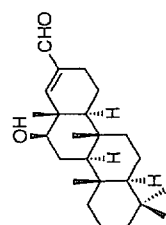
H-H COSY

S-94-1-D / CDCL₃ H-H COSY









12-deacetyl- Δ^{17} -hyrtal (3)

NOESY

S-N-1-D / CDCL₃ 2D-NOESY

