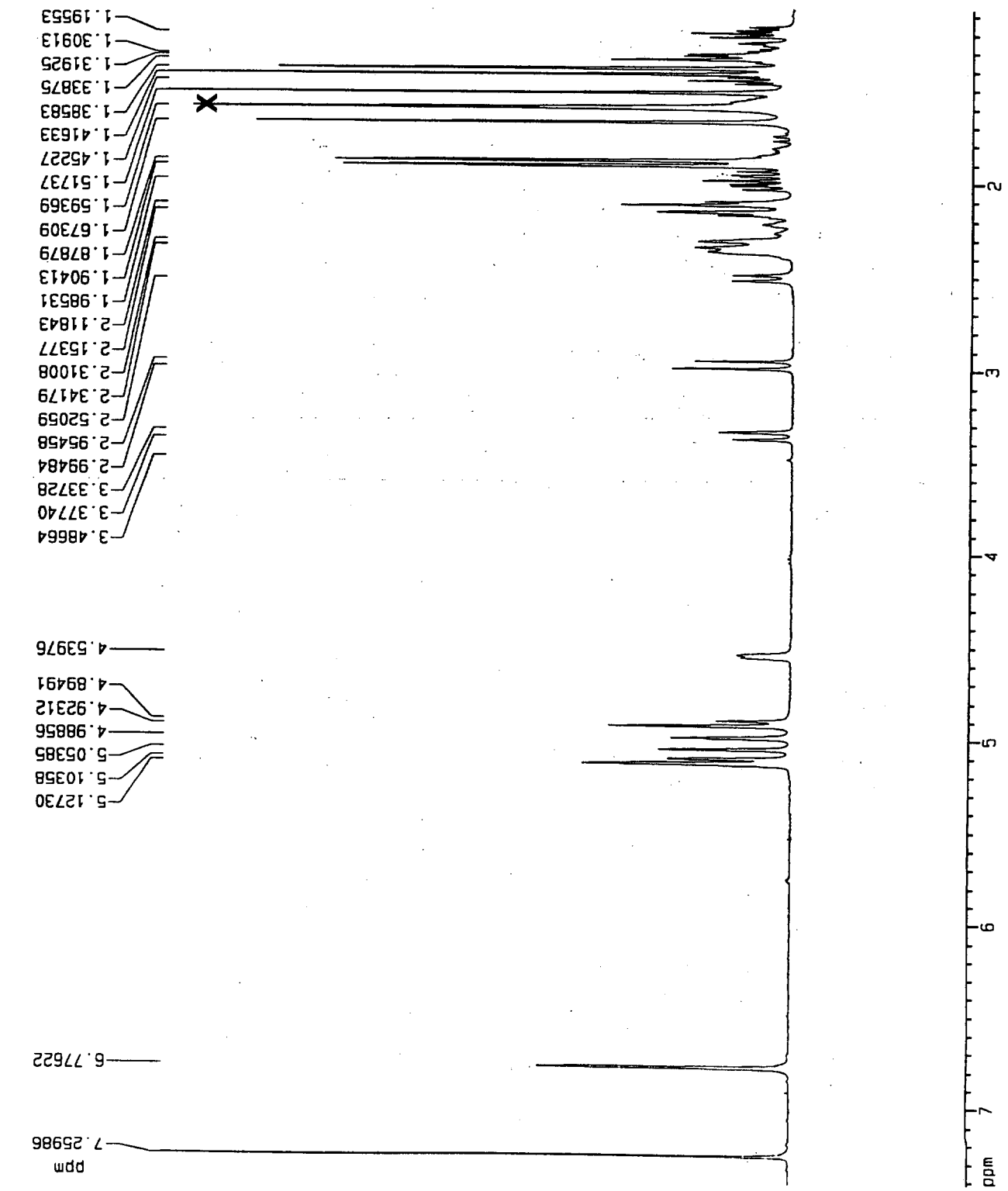
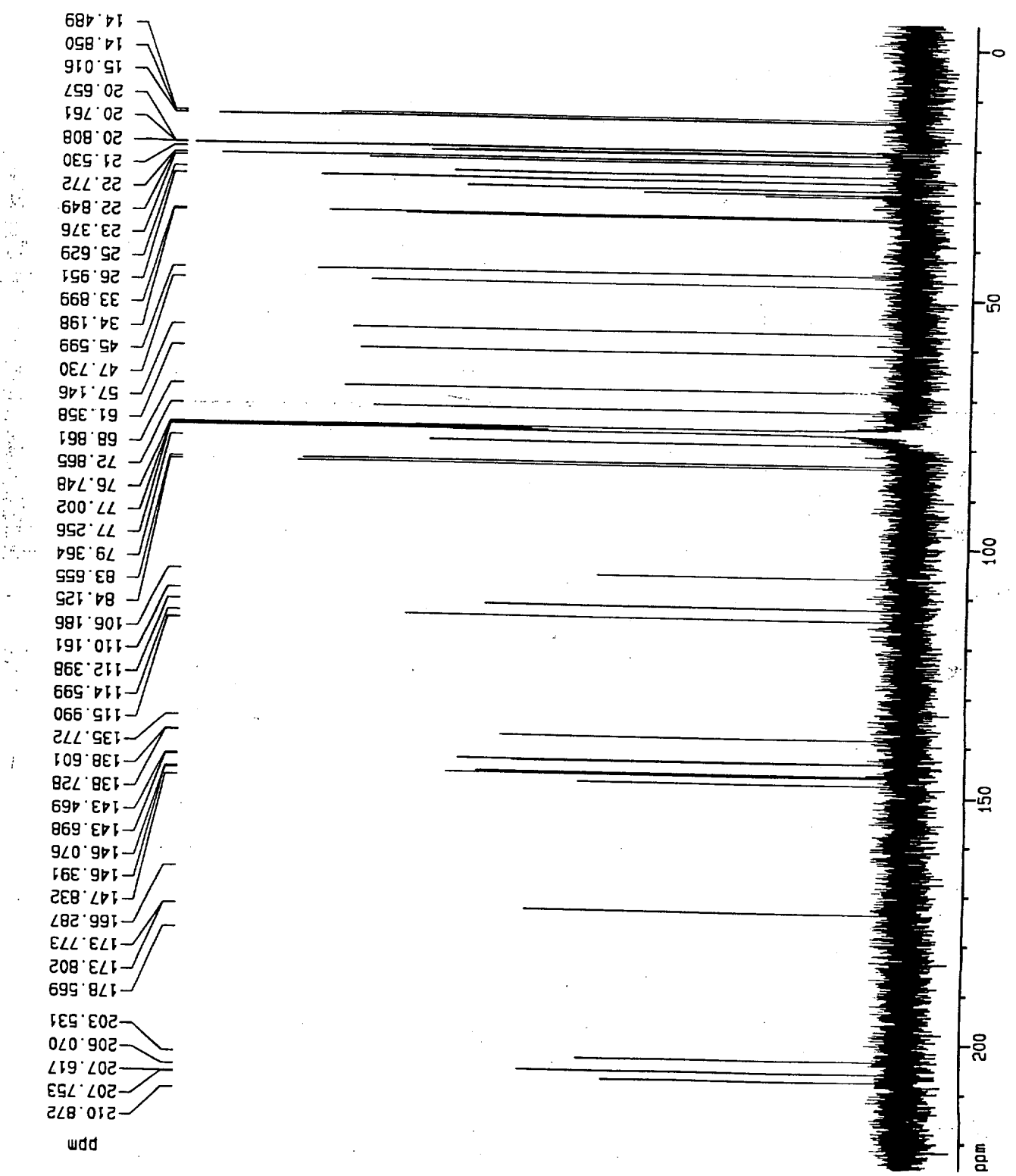


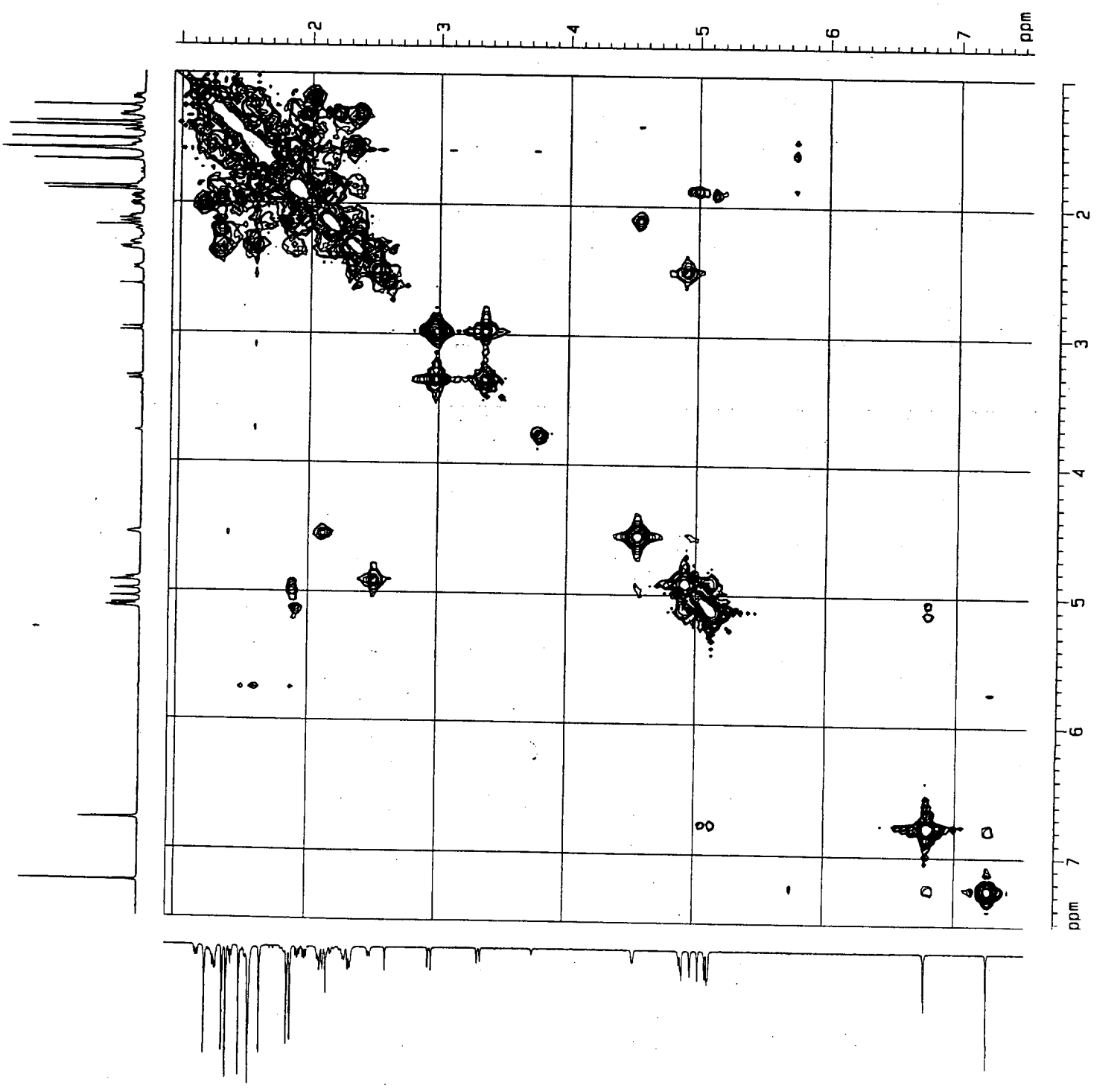
^{1}H NMR (300 MHz) spectrum of bisgersolanolide (1) in $CDCl_3$.



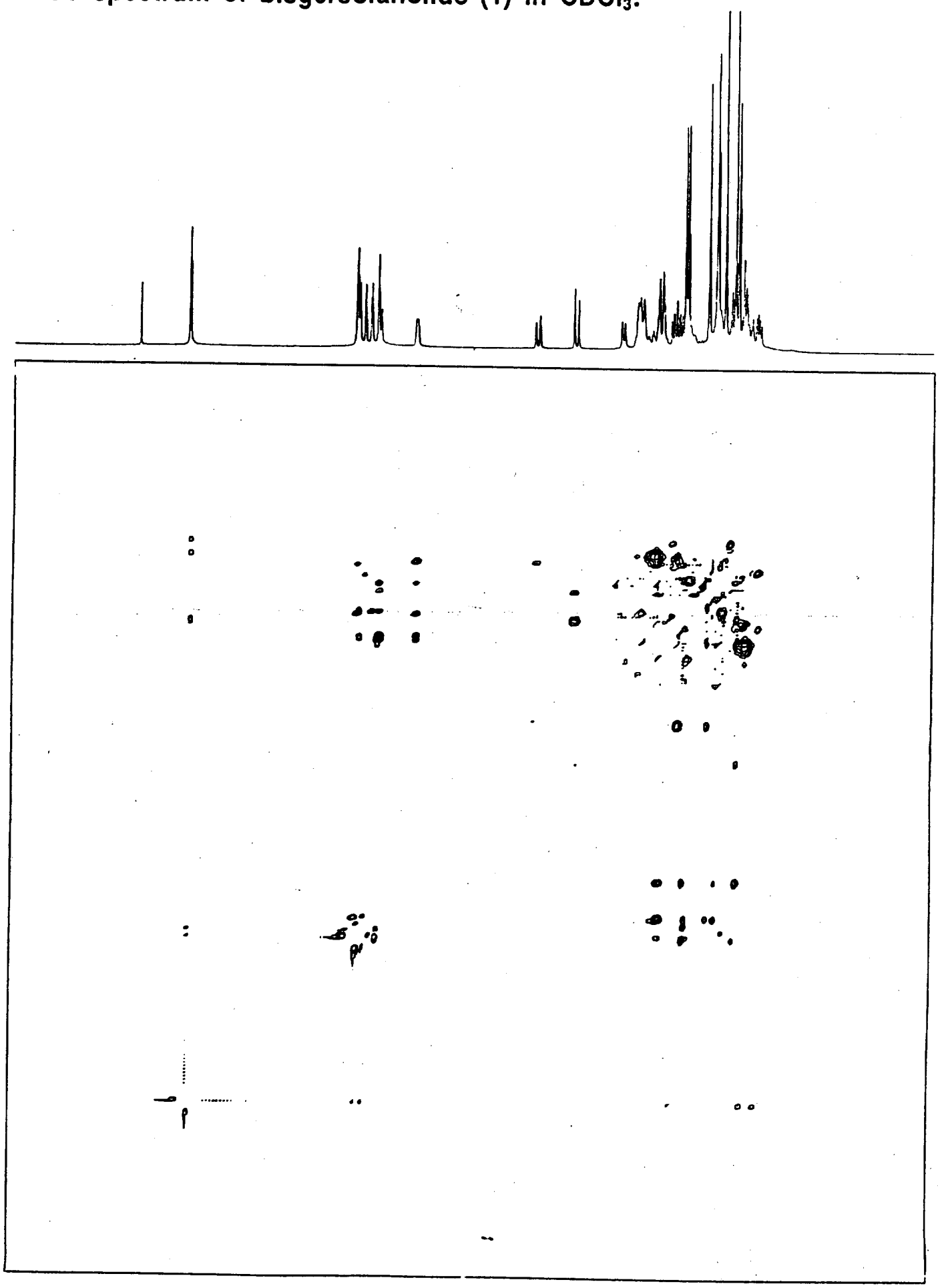
^{13}C NMR (125 MHz) spectrum of bisgersolanolide (1) in $CDCl_3$.



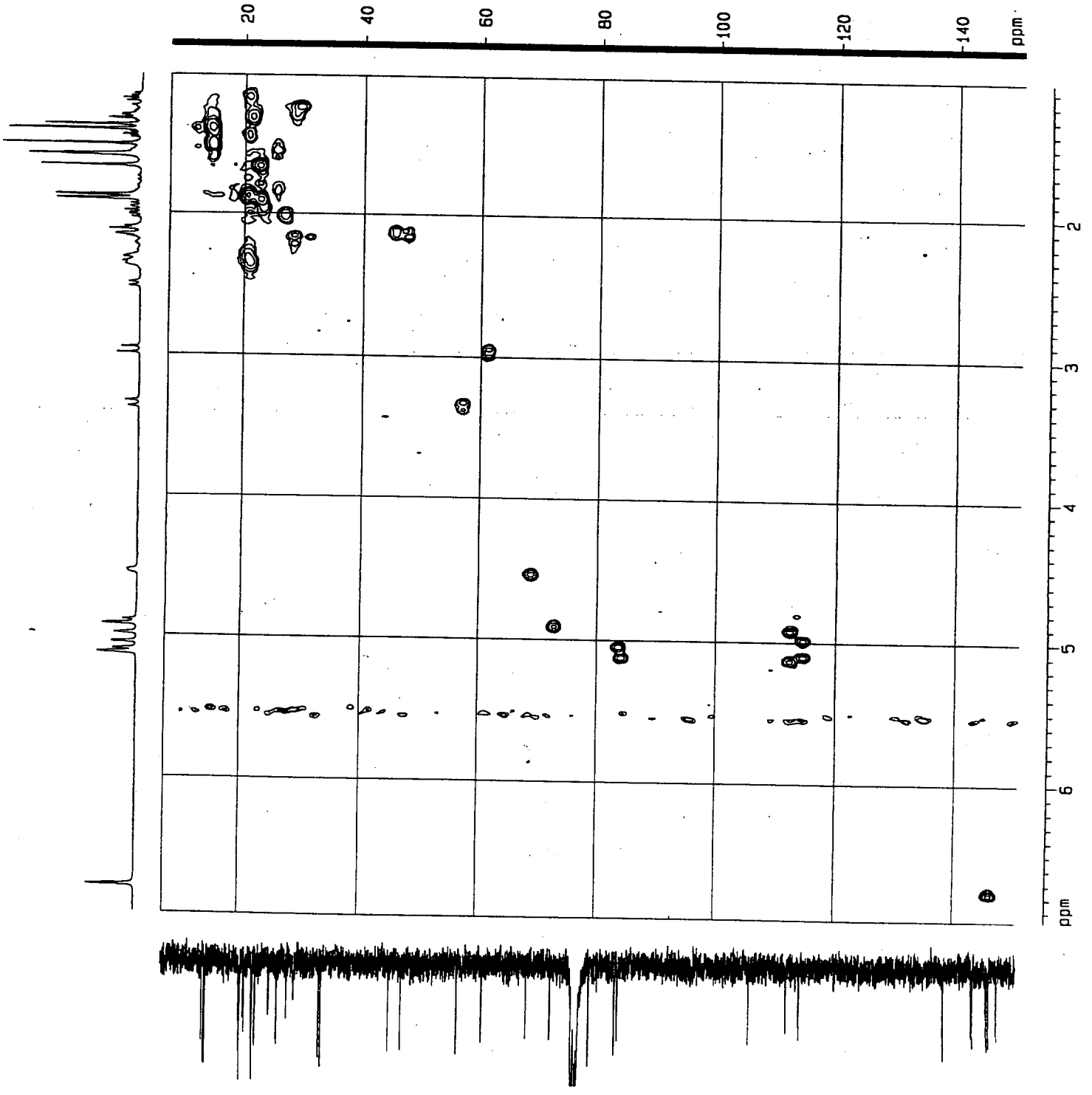
^{1}H-^{1}H COSY spectrum of bisgersolanolide (1) in $CDCl_3$.



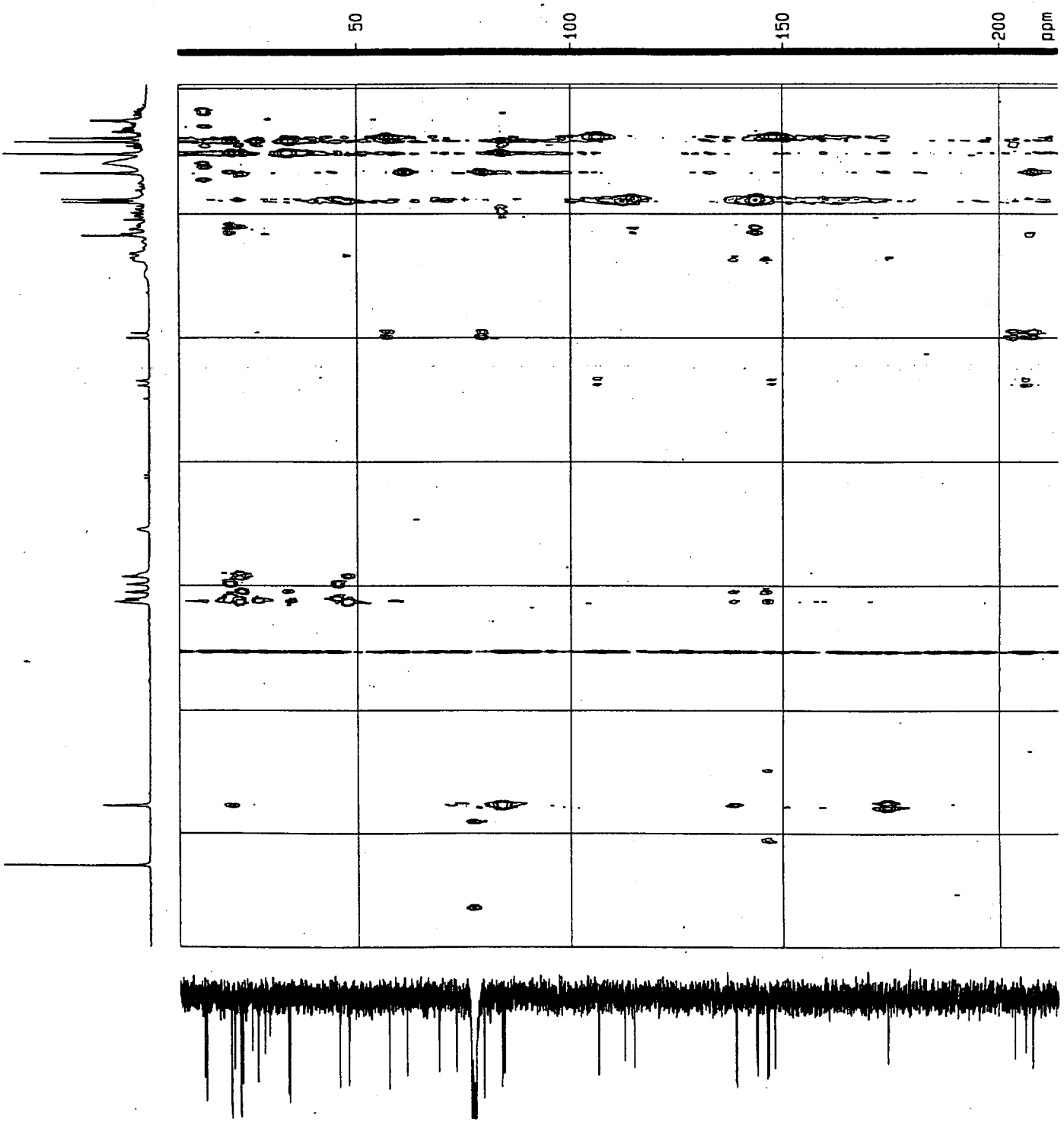
2D-NOESY spectrum of bisgersolanolide (1) in $CDCl_3$.

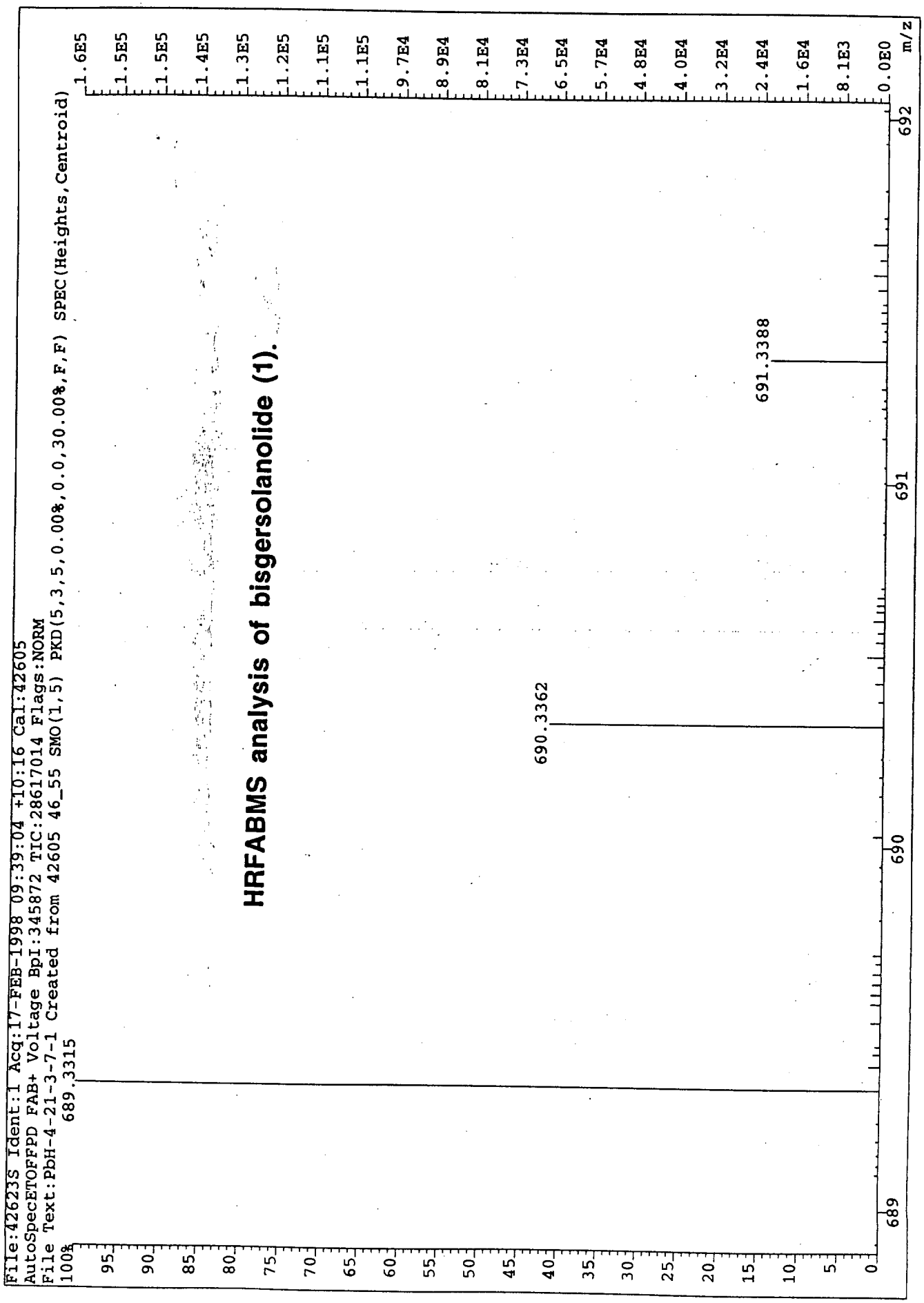


HMQC spectrum of bisgersolanolide (1) in $CDCl_3$.



HMBC spectrum of bisgersolanolide (1) in $CDCl_3$.

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File Text:PbH-4-21-3-7-1 Created from 42605 46_55 SMO(1,5) PKD(5,3,5,0.00%,0.0,30.00%,F,F) SPEC(Heights,Centroid)
HRFABMS analysis of bisgersolanolide (1).
689.3315
690.3362
691.3388
m/z

Elemental Composition **Date : 19-FEB-1998**

File:42623S Ident:1 Acq:17-FEB-1998 09:39:04 +10:16 Cal:42605
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File Text:PbH-4-21-3-7-1 Created from 42605 46_55 SMO(1,5)
Heteroatom Max: 20 Ion: Even
Limits:

688.882	20.0						-0.5	0	0	0	5
692.046	100.0		10.0				20.0	60	1	100	15
Mass	**%RA**	**Pks**	**Std**	**PPM**	**mDa**	**Calc. Mass**	**DBE**	**C**	**13C**	**H**	**O**
690.336182	21.3			-0.4	-0.3	690.335928	16.5	39	1	49	10
				8.1	5.6	690.341802	7.5	32	1	53	15
689.331543	51.4			1.5	1.0	689.332573	16.5	40		49	10