

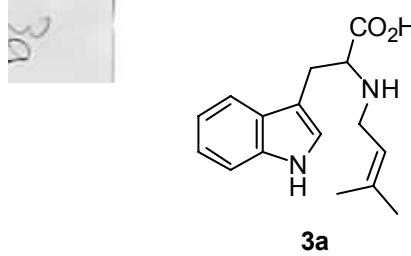
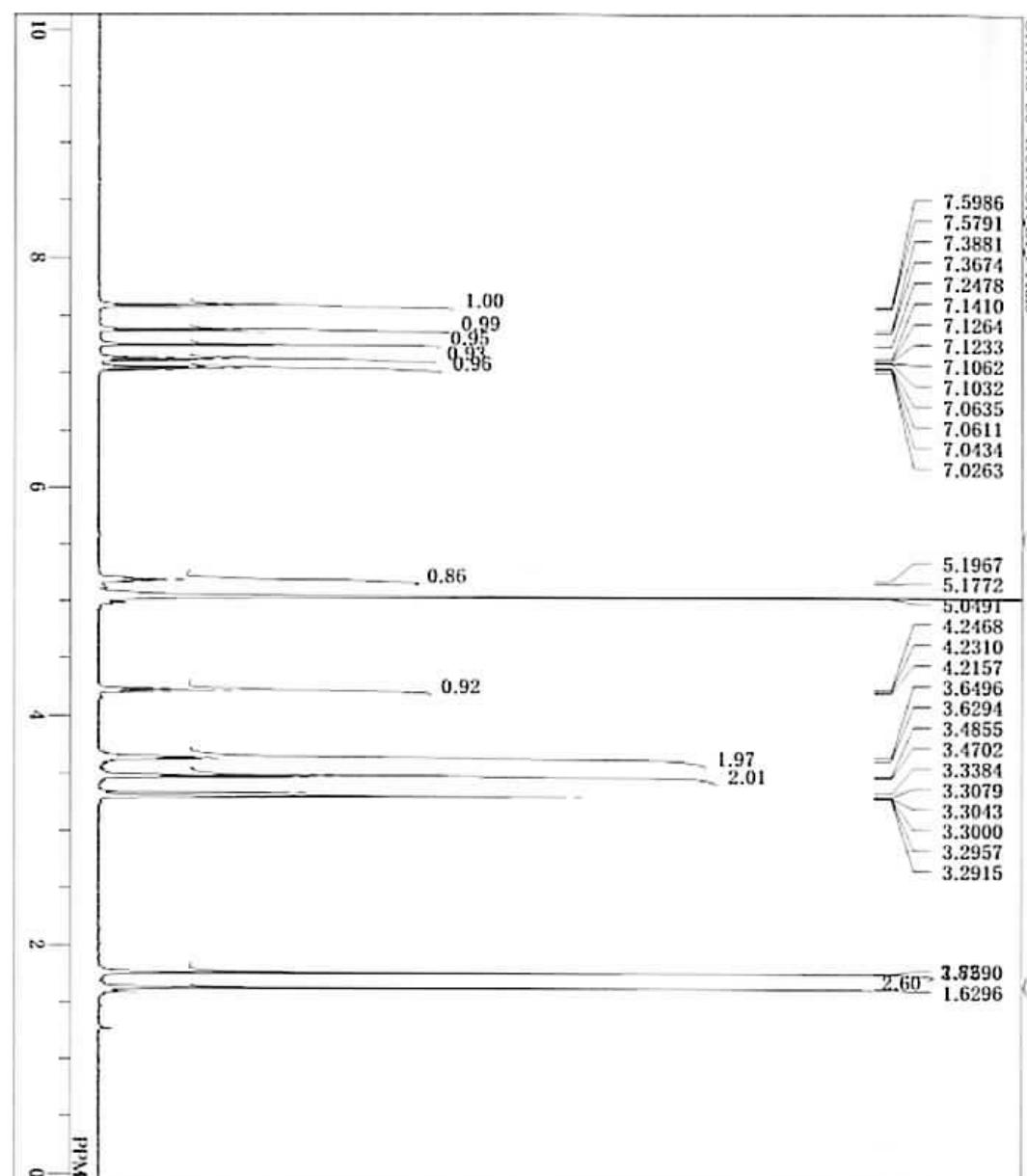
SUPPORTING INFORMATION

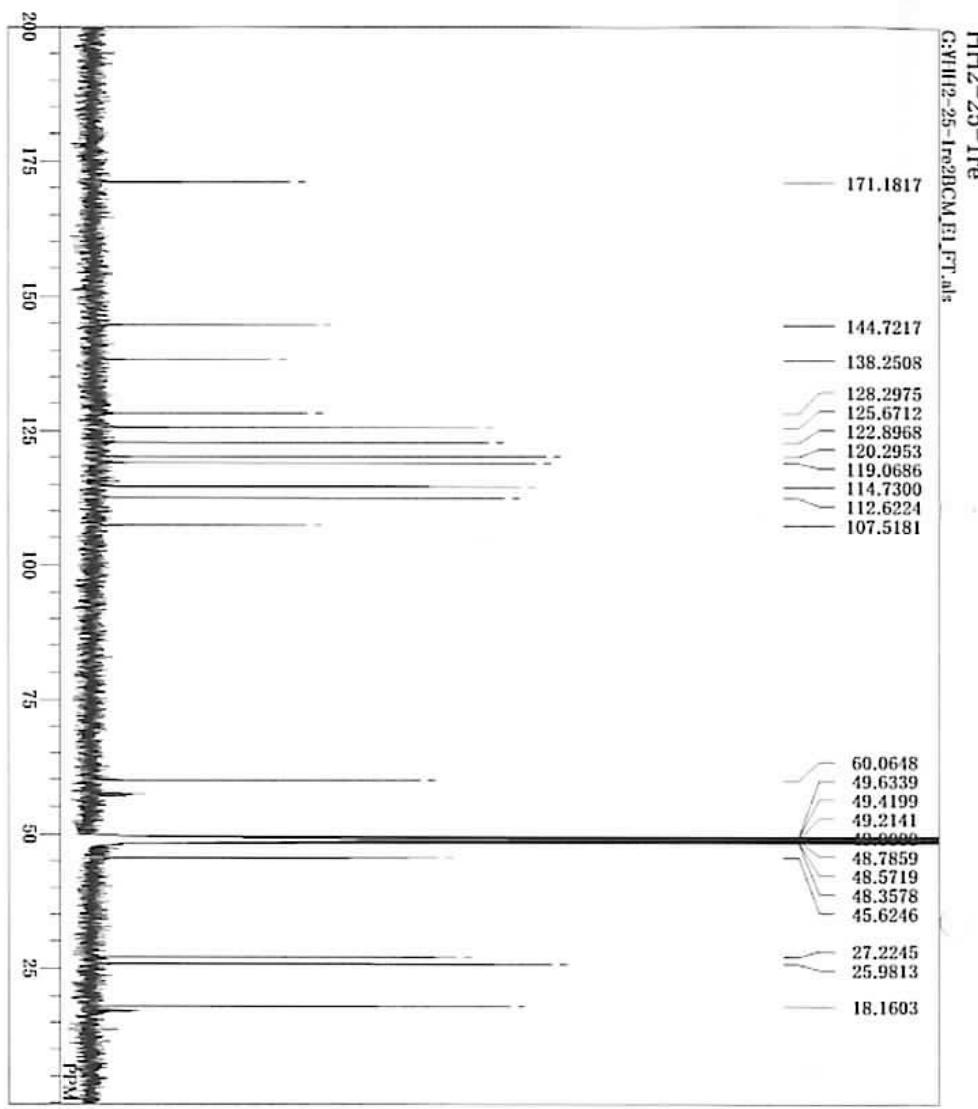
Palladium-Catalyzed mono-N-Allylation of Unprotected Amino Acids with 1,1-Dimethylallyl Alcohol in Water.

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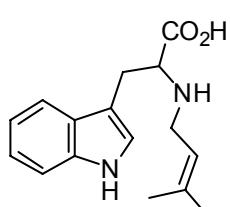
Table of contents	S1
1. Copies of ^1H and ^{13}C-NMR	S2
2. Copies of HPLC analytical data: optical purity of (<i>S</i>)-3a methyl ester	S20



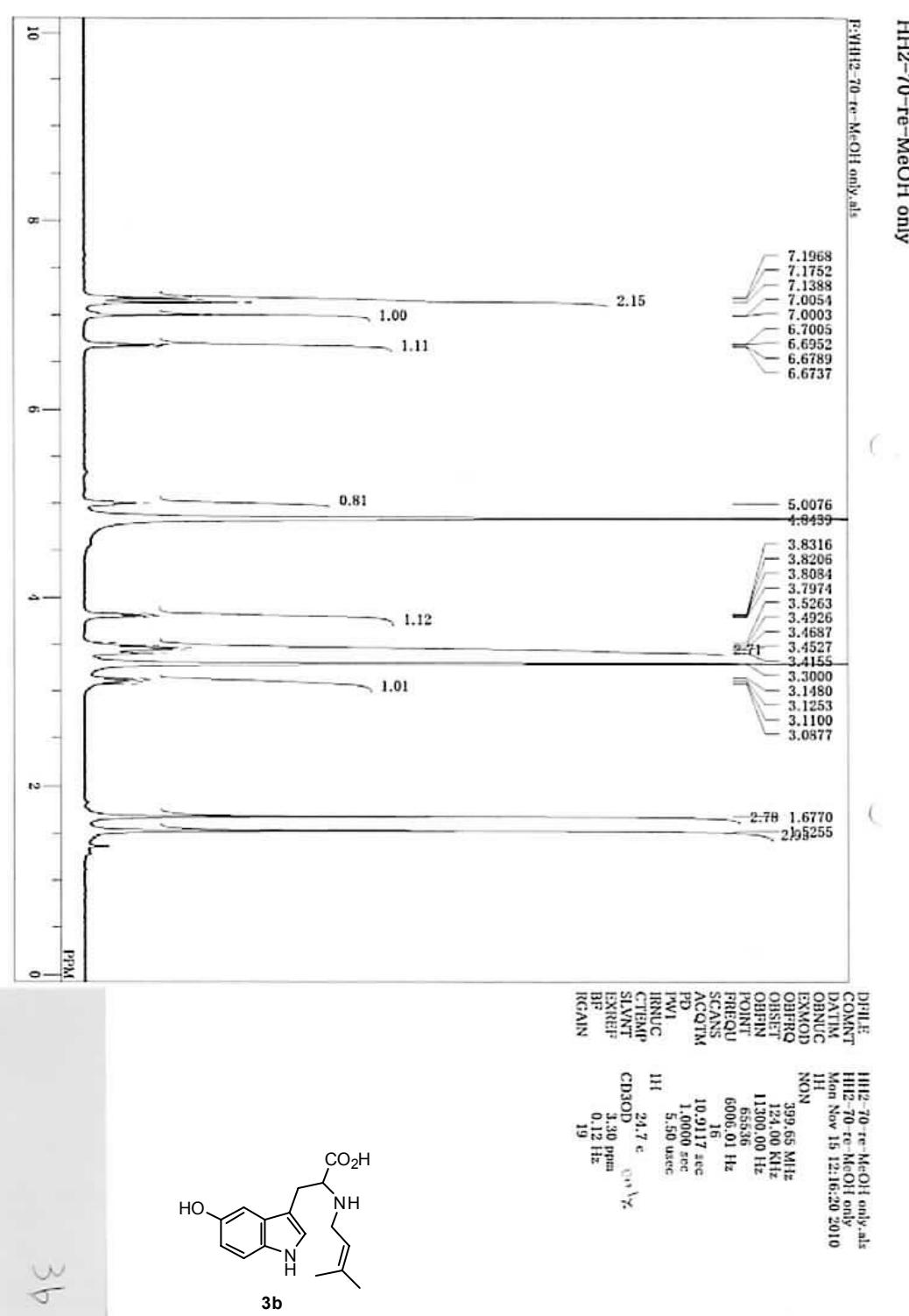


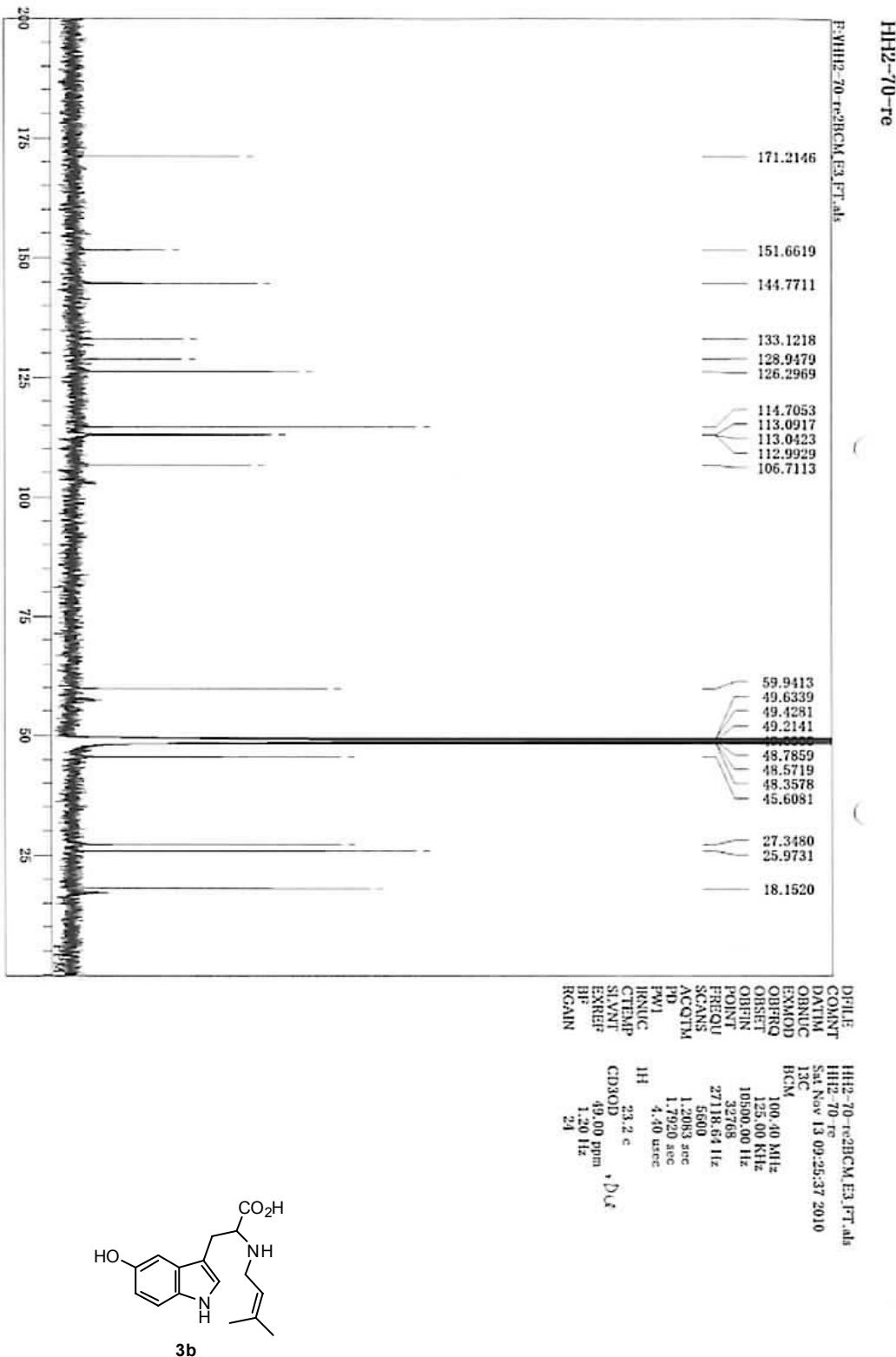
HH2-25-1reBCM_E1_FFT_als
DPLF
COMNT
DATIM
ORNUC
13C
EXMOD
OBFRQ
OBSET
OBPN
POINT
FREQU
SCANS
ACQTM
PD
PW1
IRNUC
CTEMP
SLVNT
CD3OD
EXRFH
BF
RGAIN

HH2-25-1reBCM_E1_FFT.
HH2-25-1re
Wed Oct 27 23:08:00 2011
13C
BCM
100.40 MHz
125.00 kHz
10500.00 Hz
32768
27118.64 Hz
5400
1.2083 sec
1.7920 sec
4.40 usec
¹H
24.9 °
+ D CD3OD
49.00 ppm
1.20 Hz
26

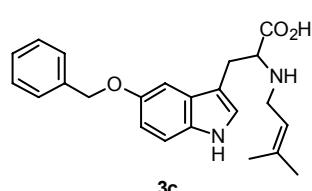
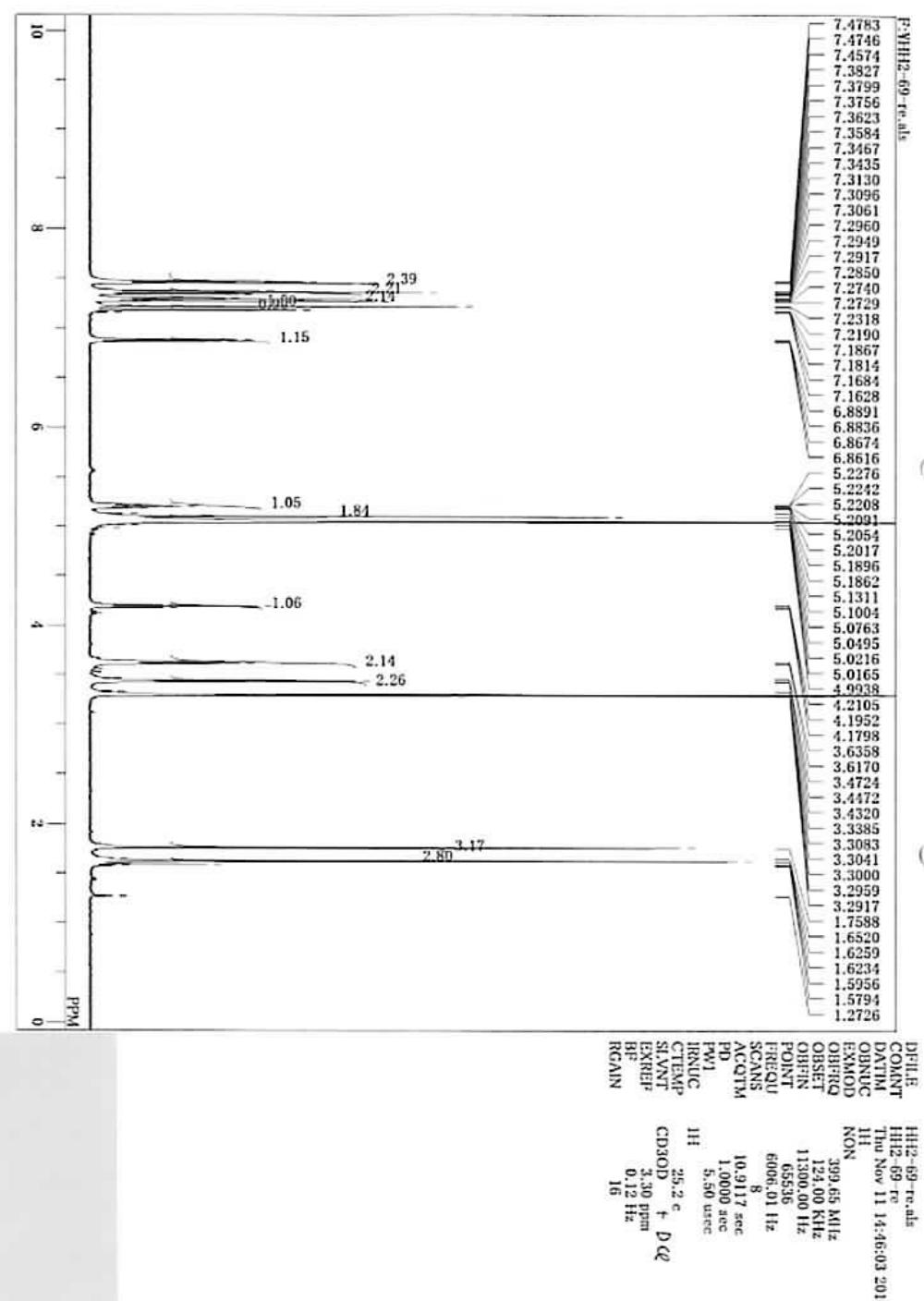


3a



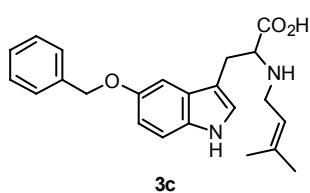
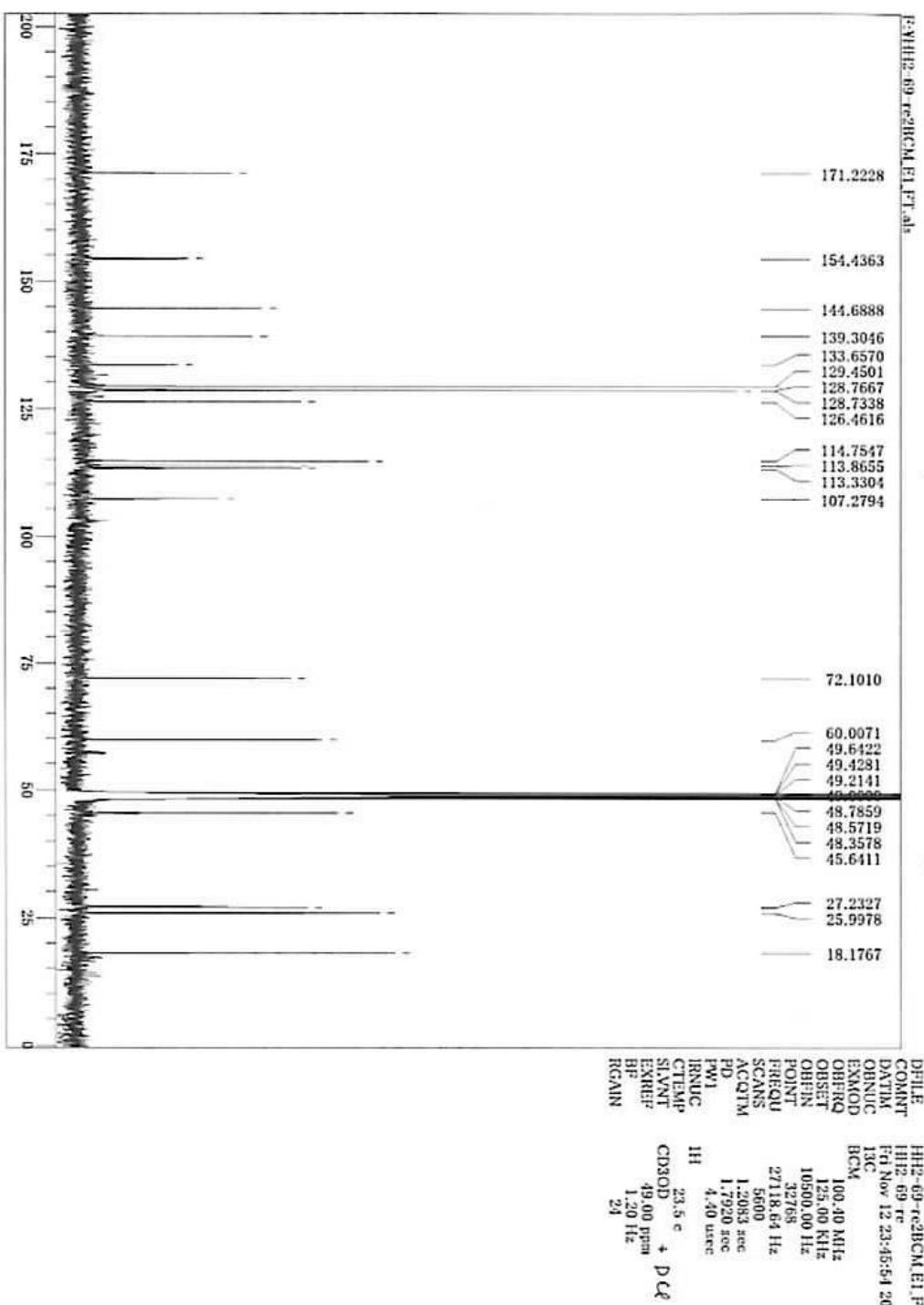


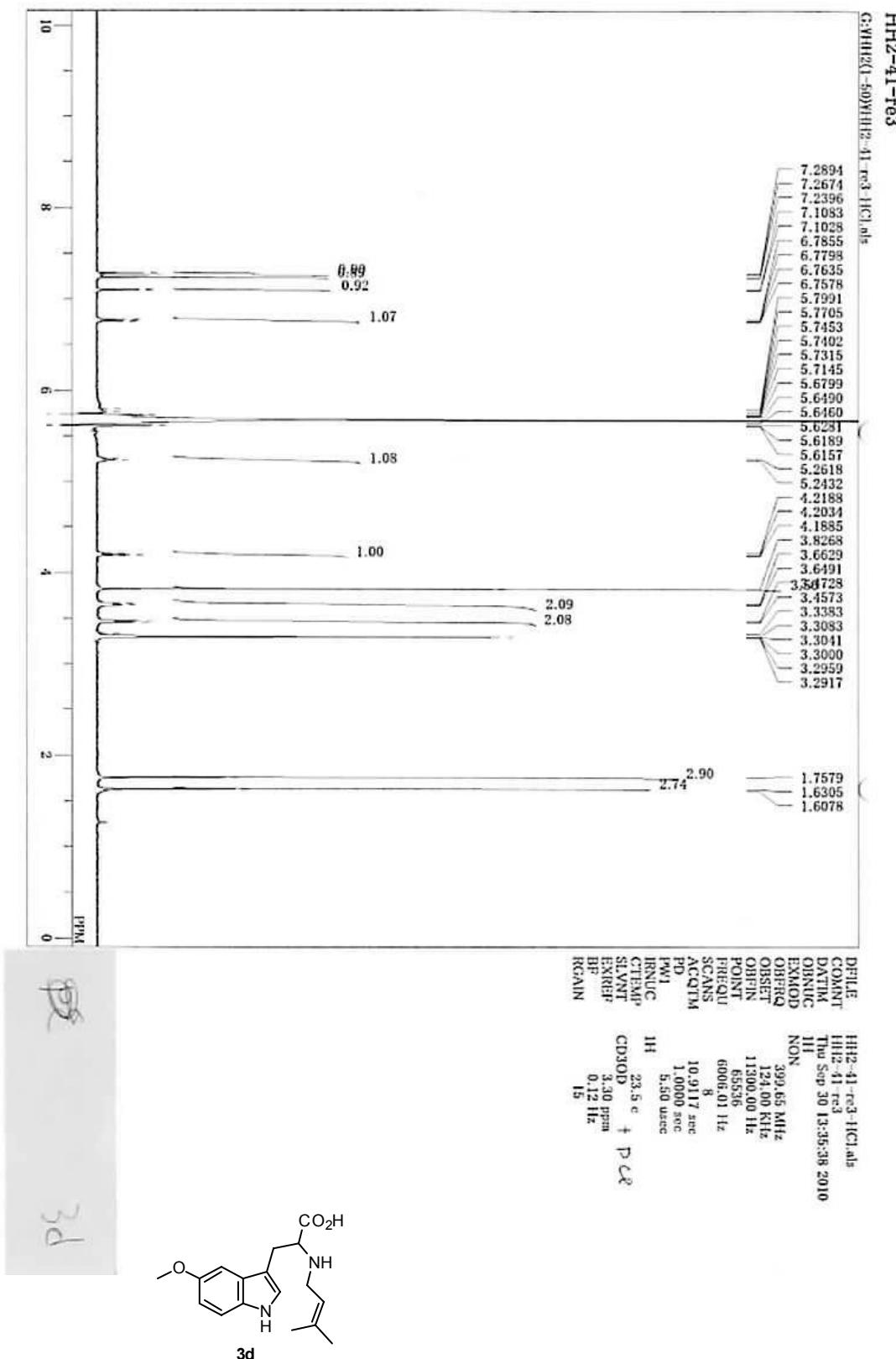
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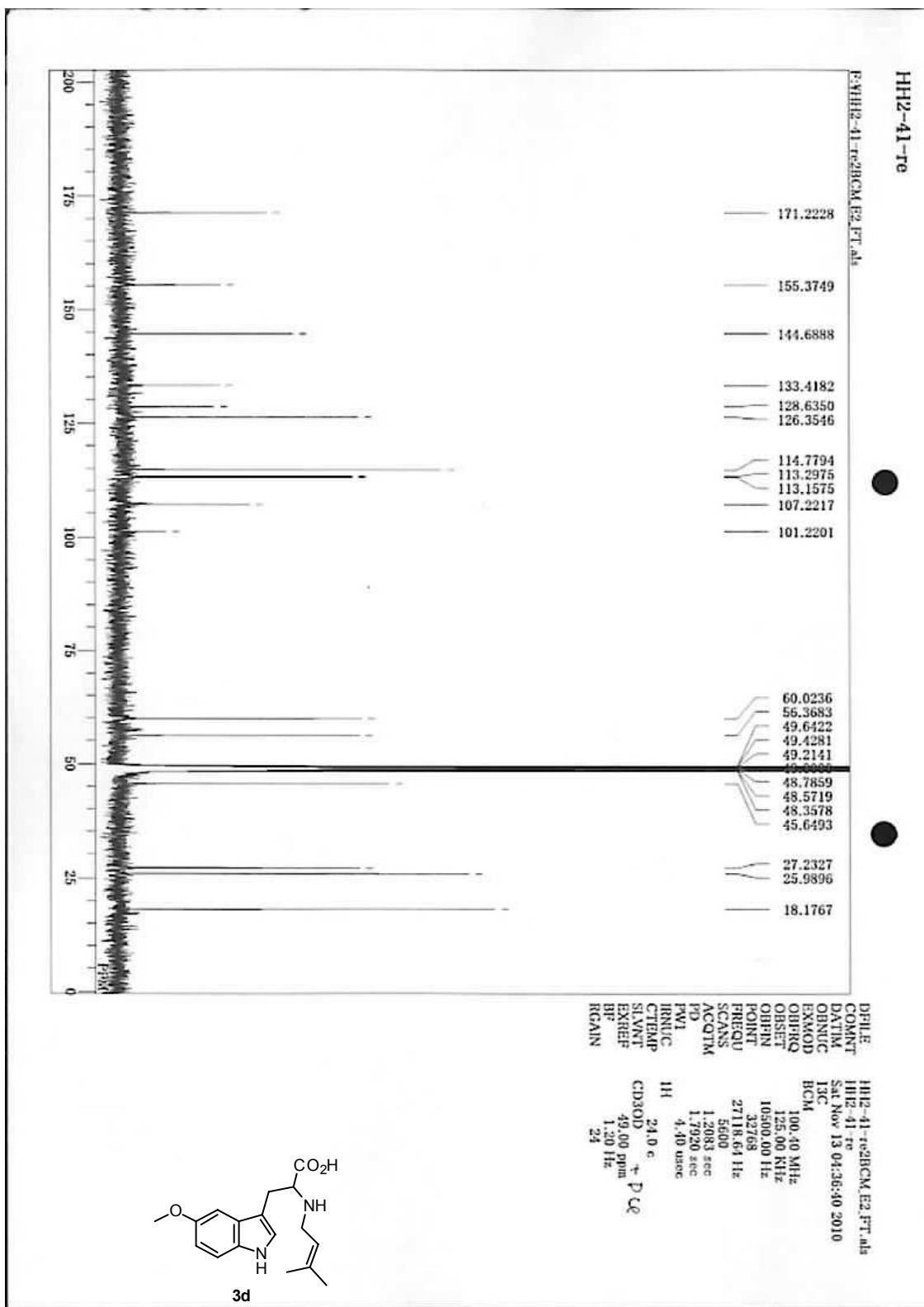


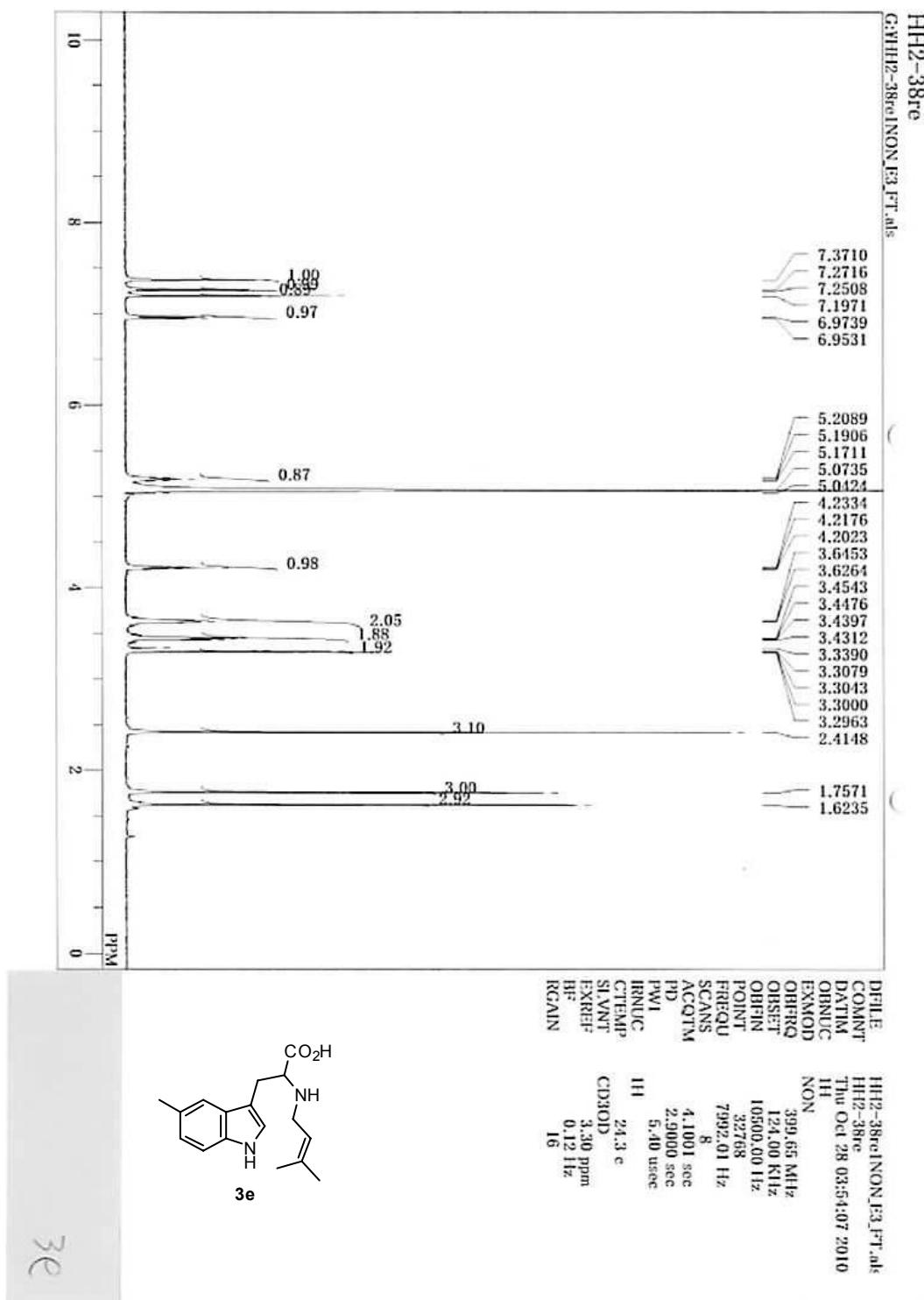
3c

HH2-69-re

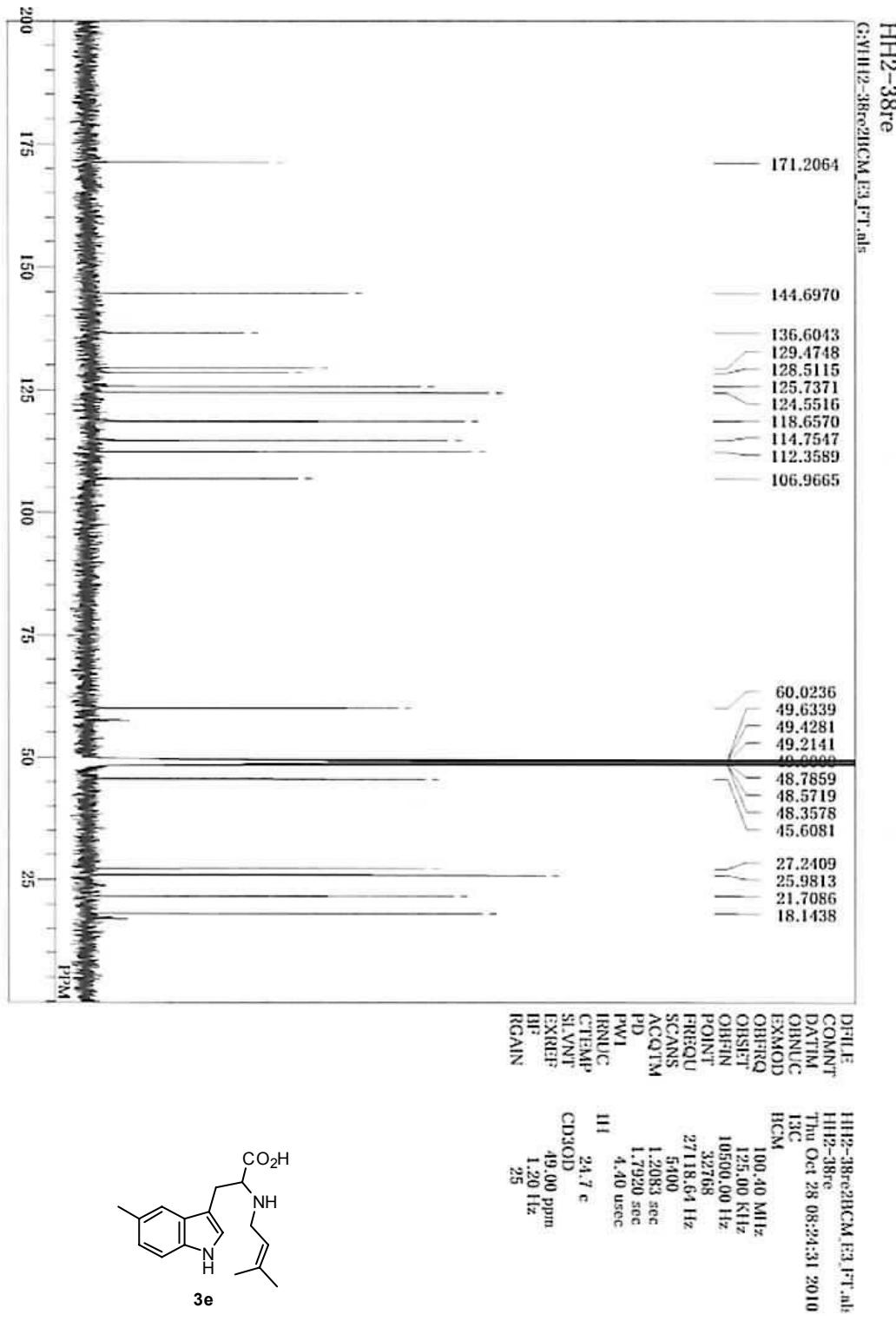


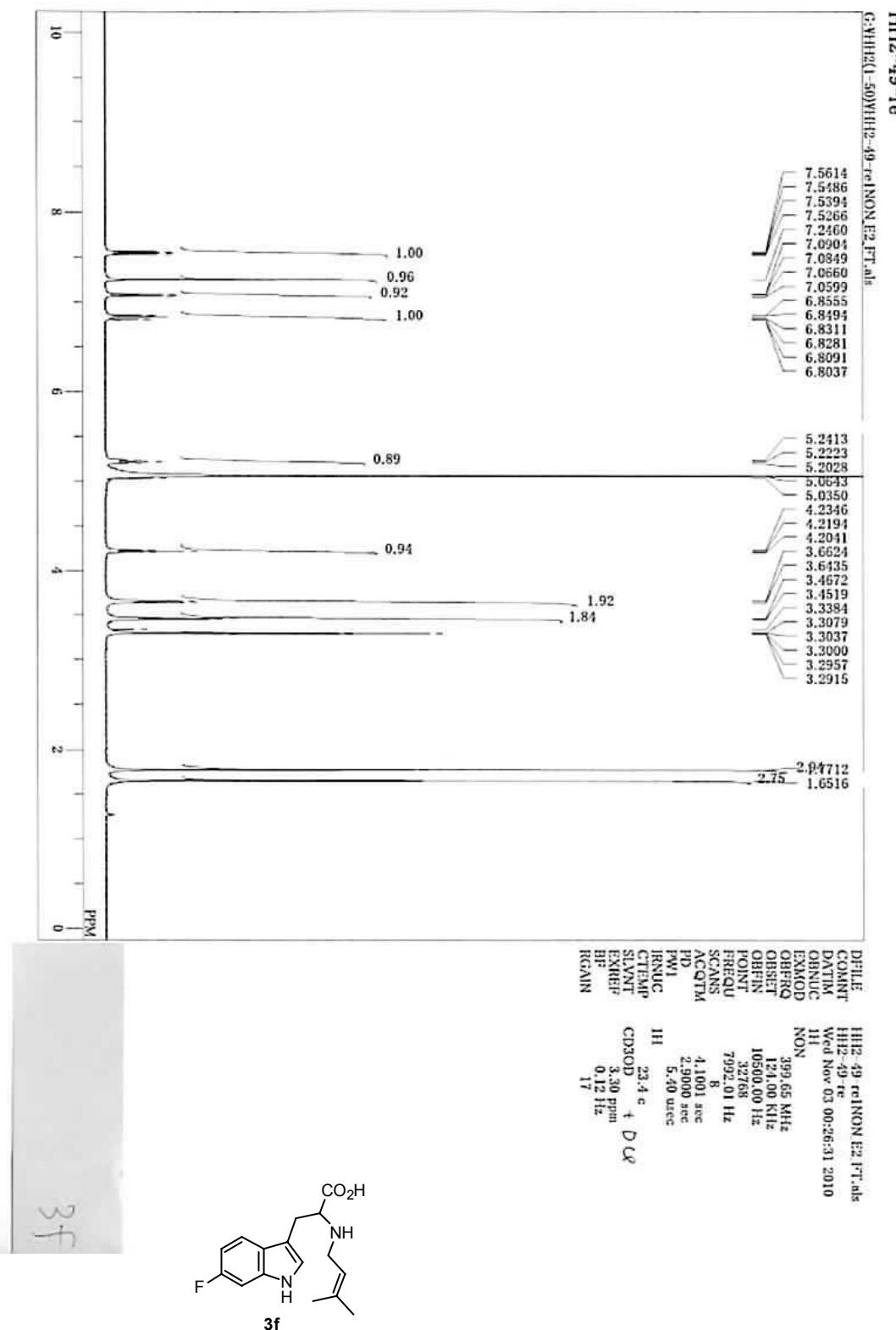


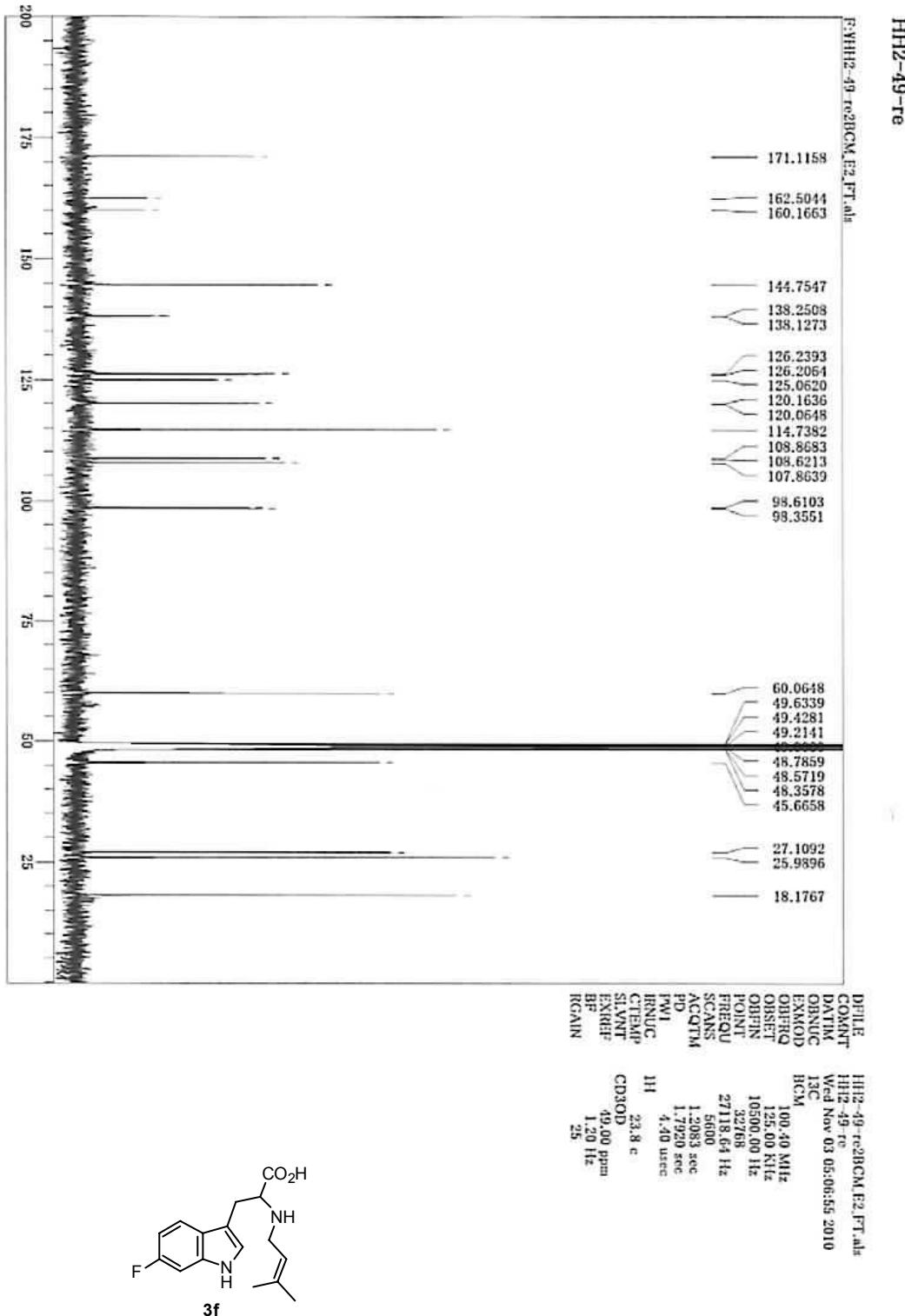


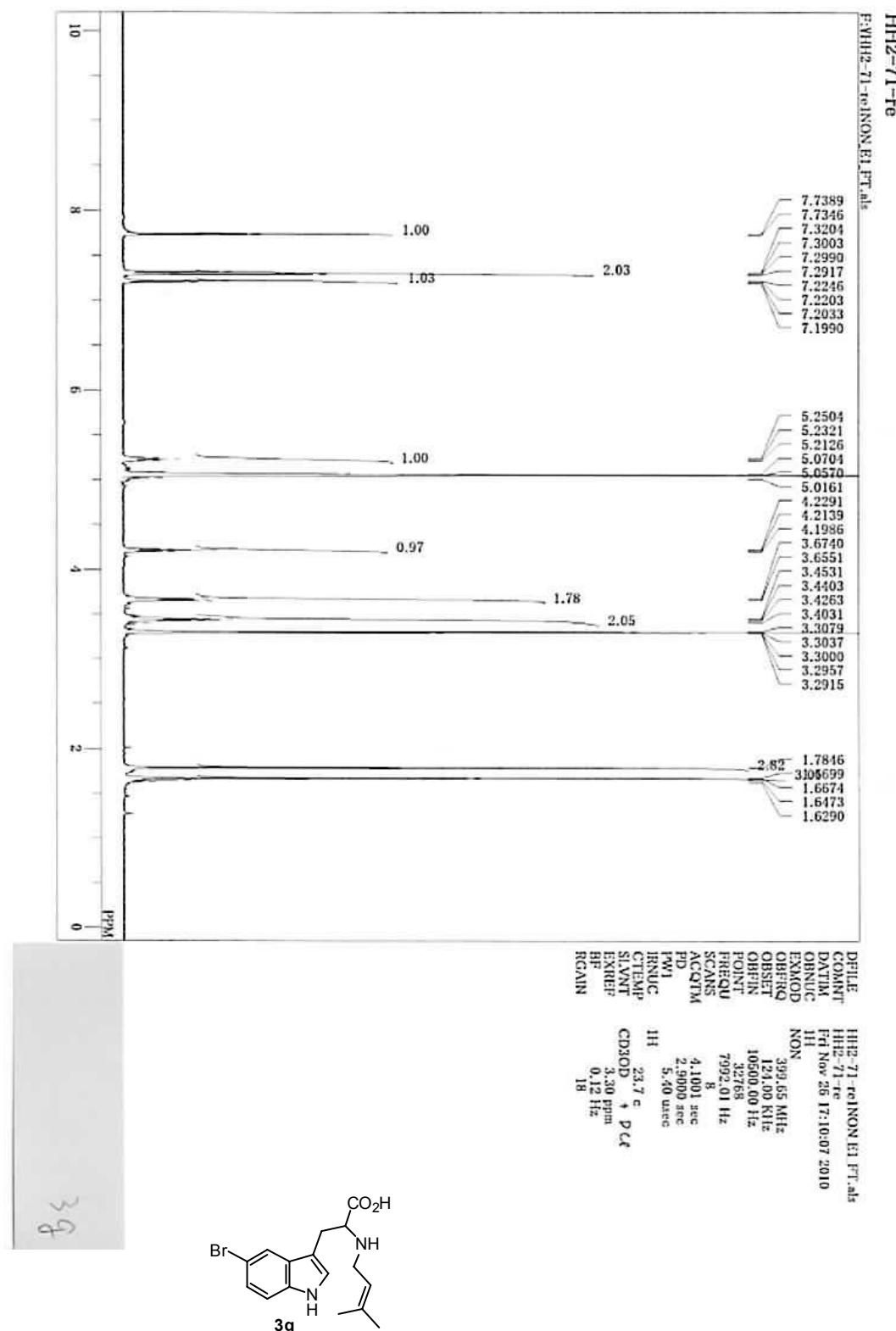


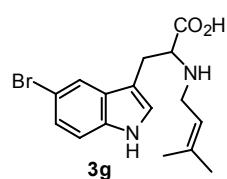
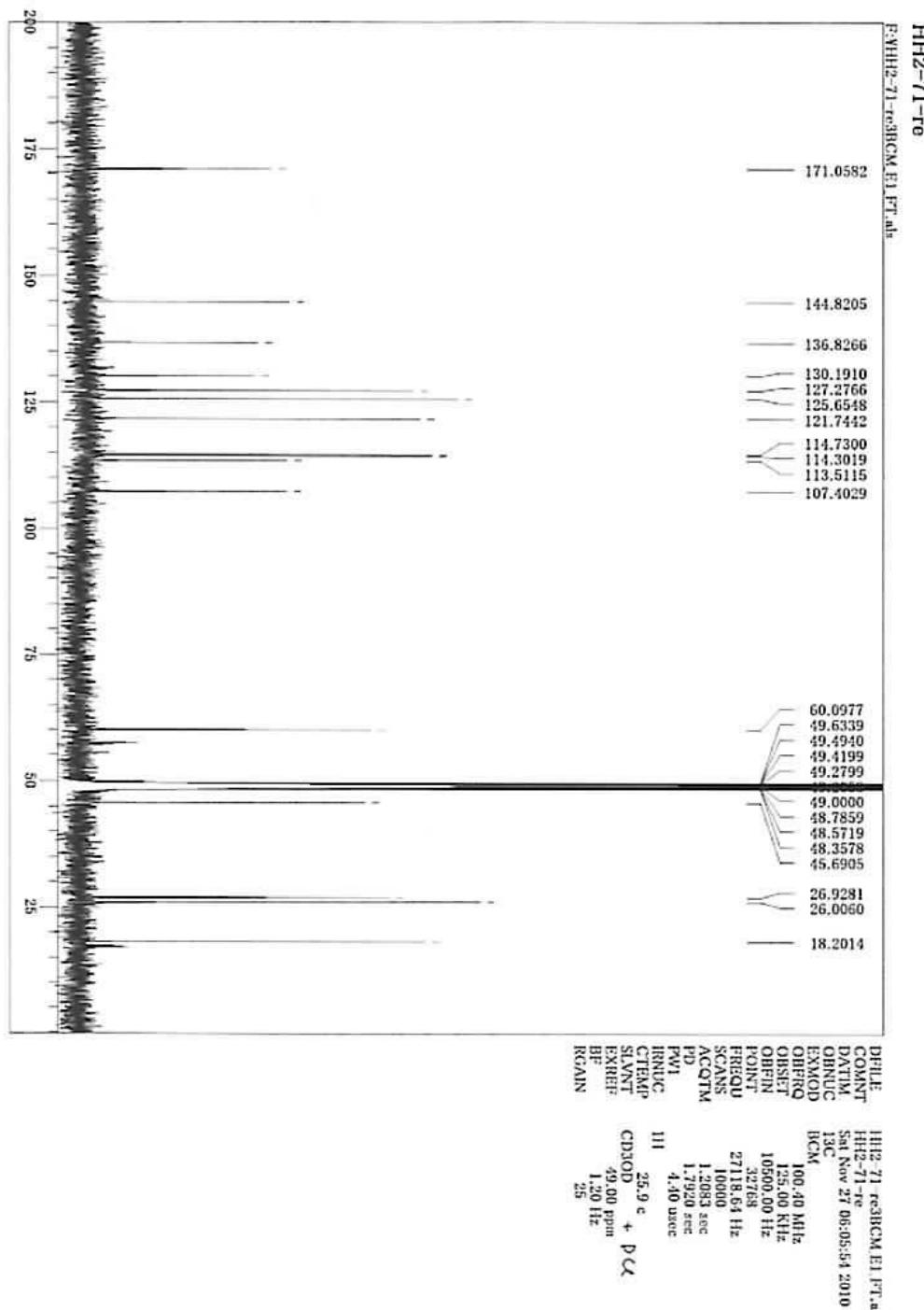
3e

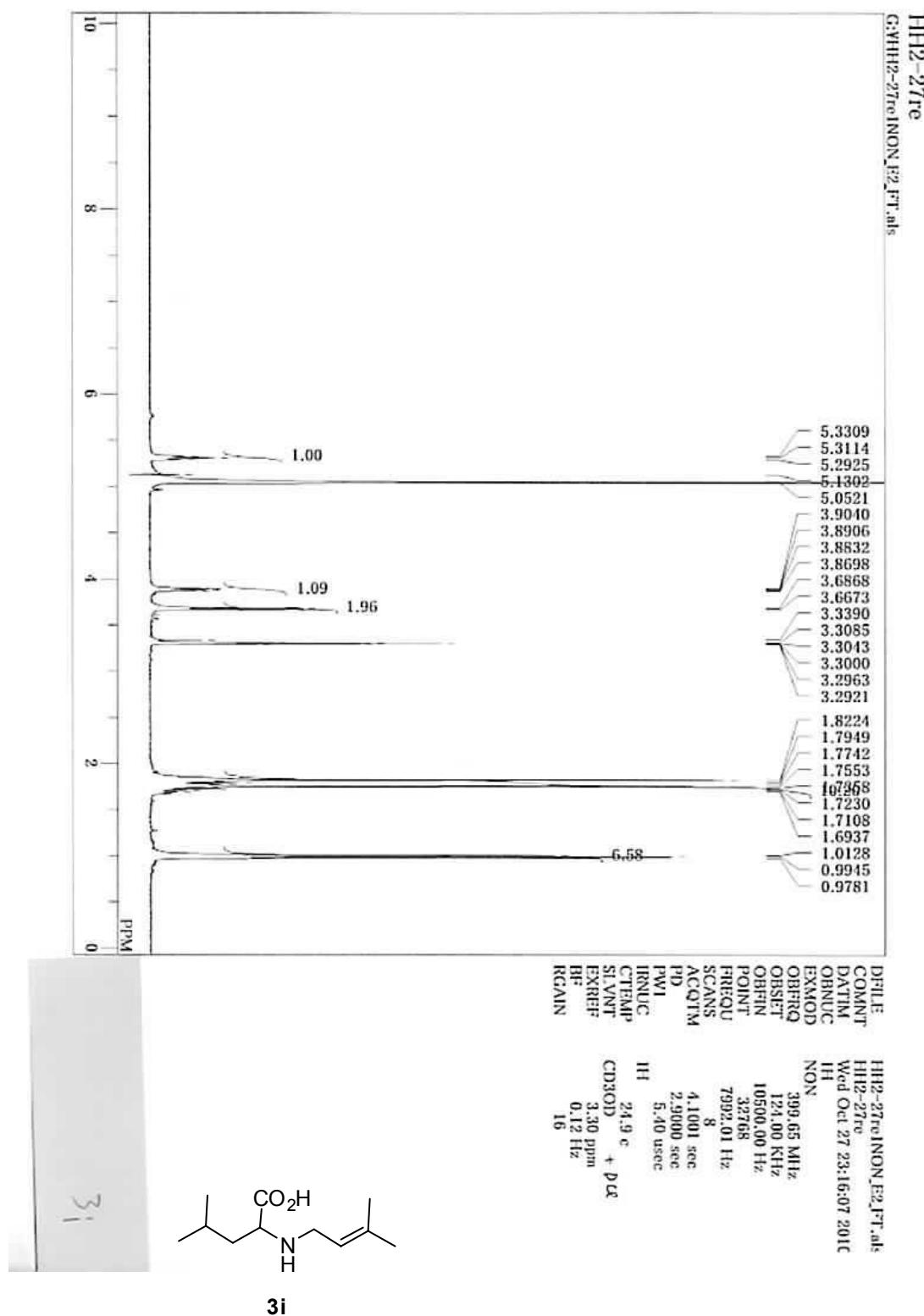


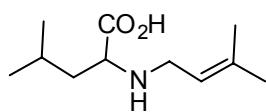
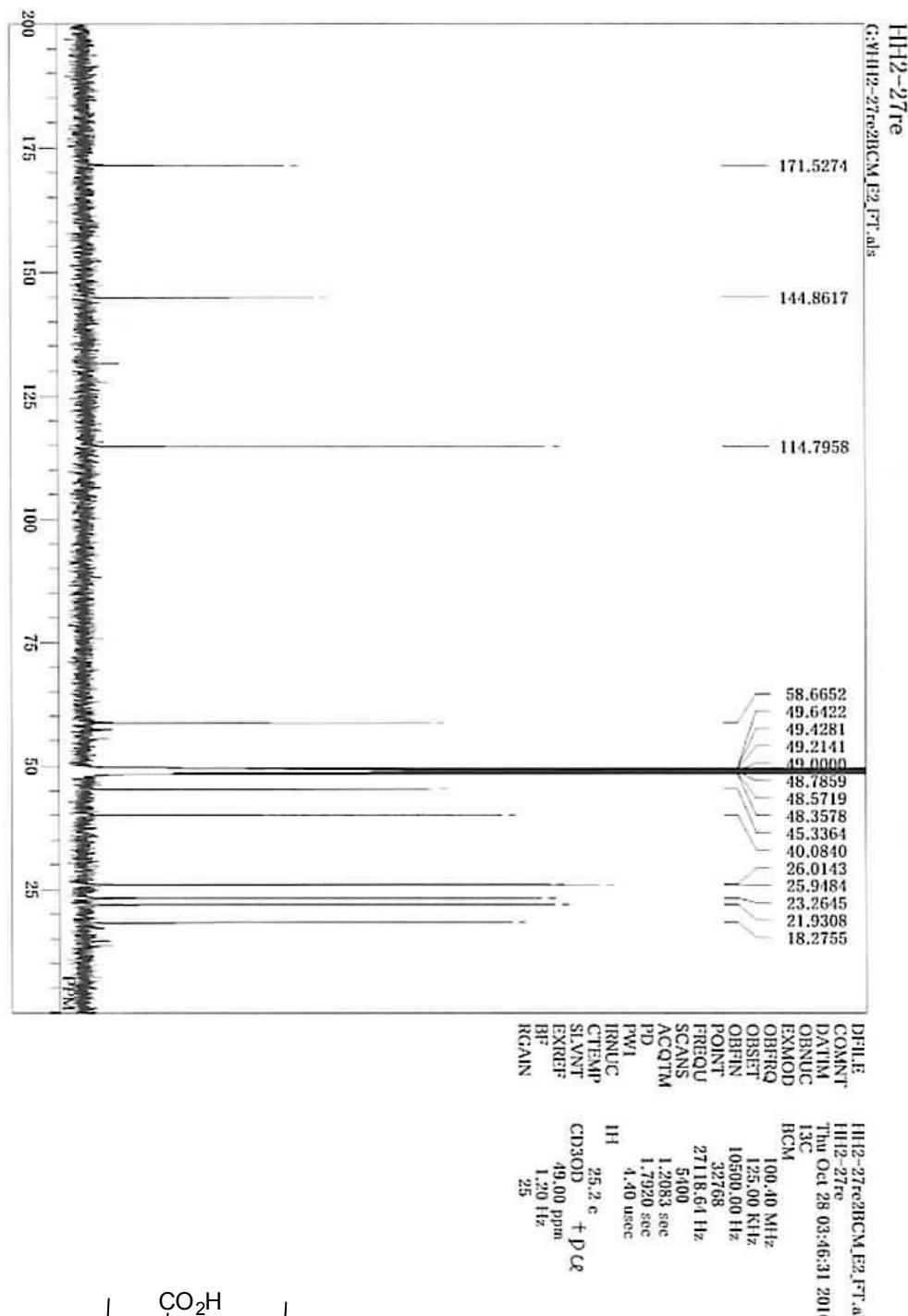




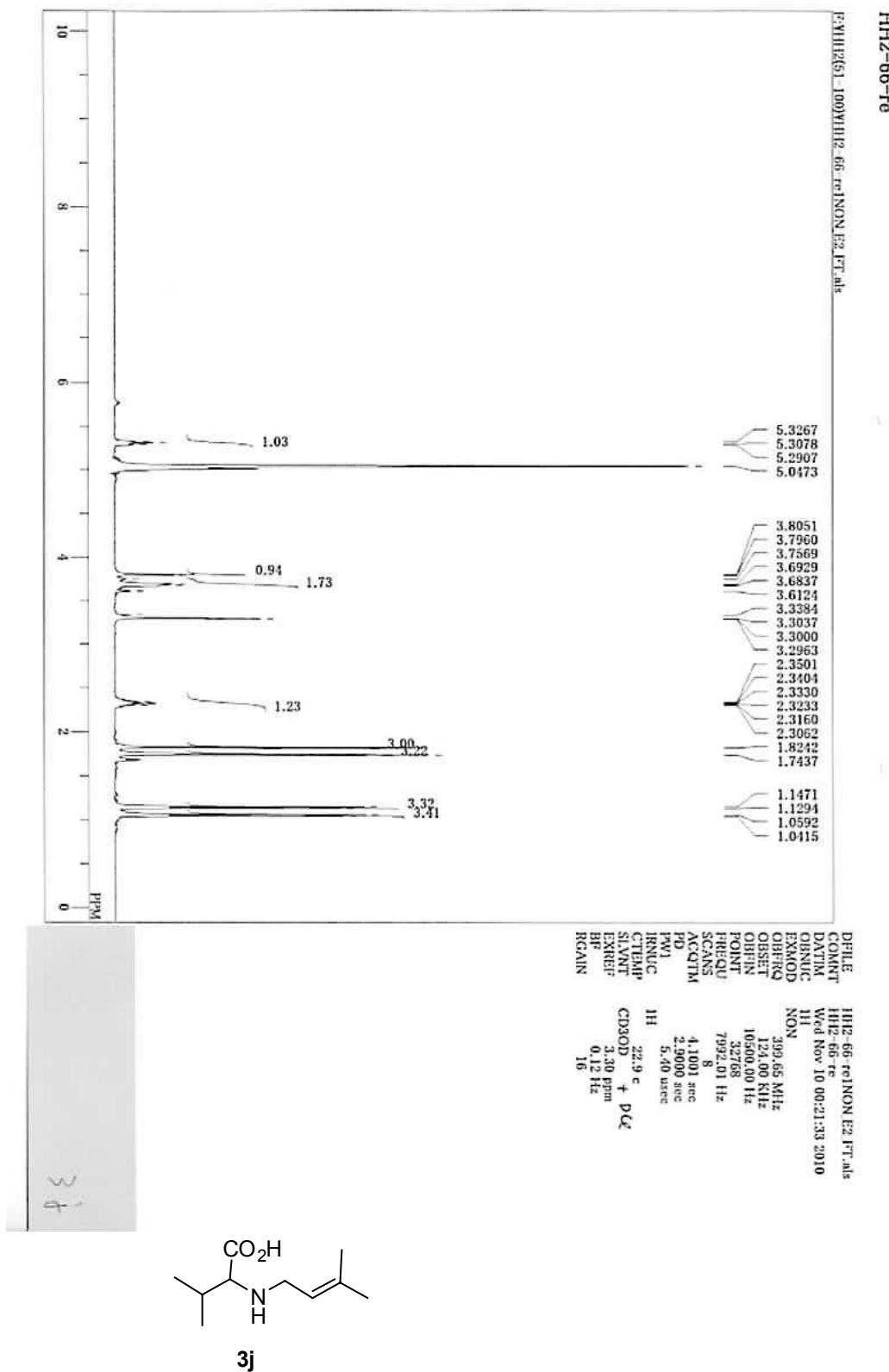


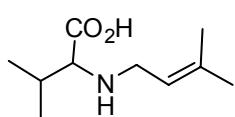
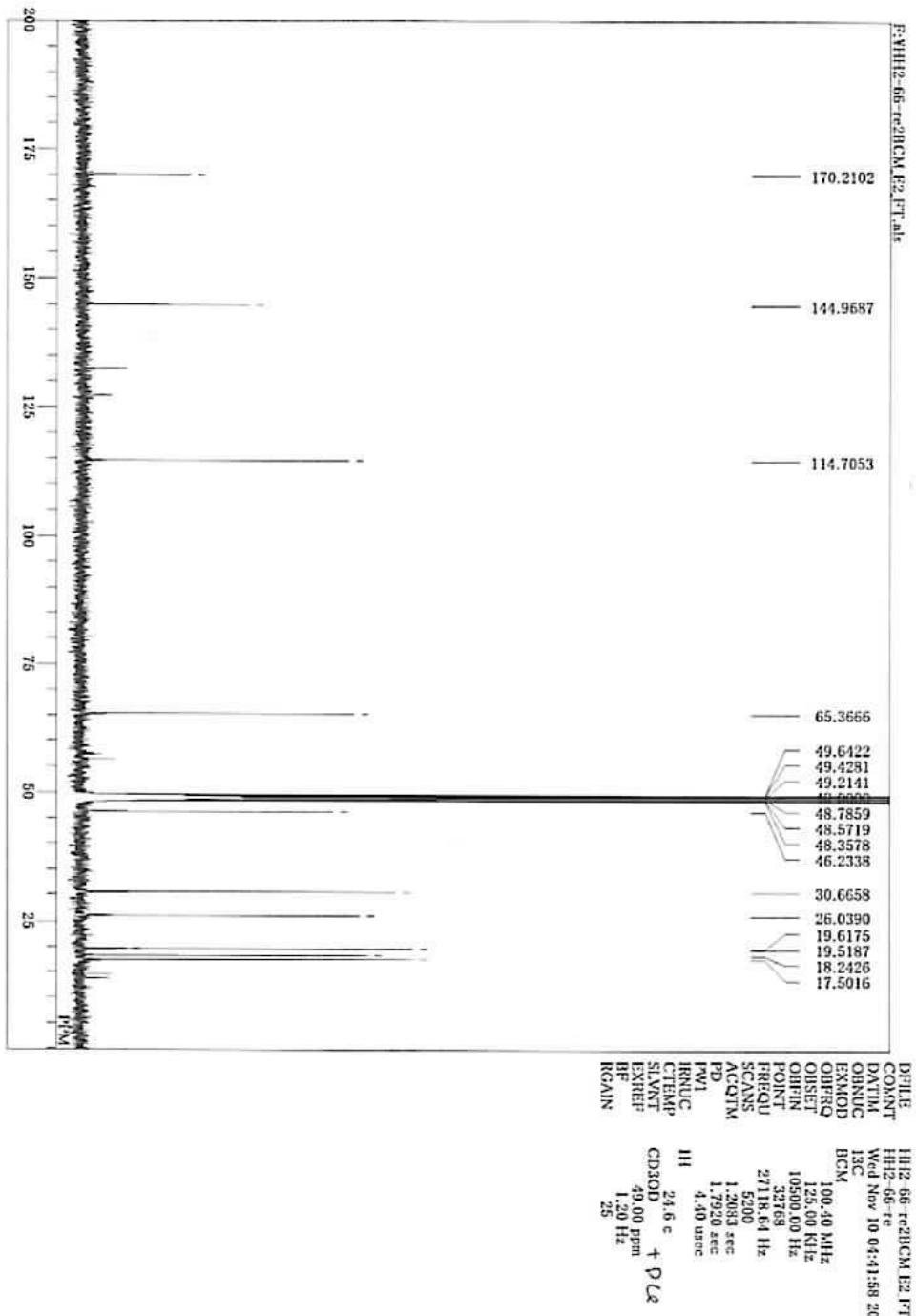






3i

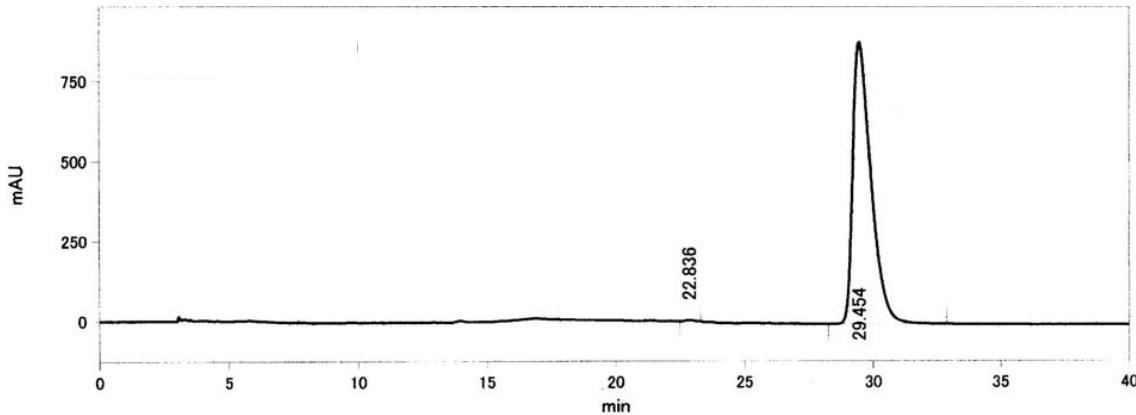




3j

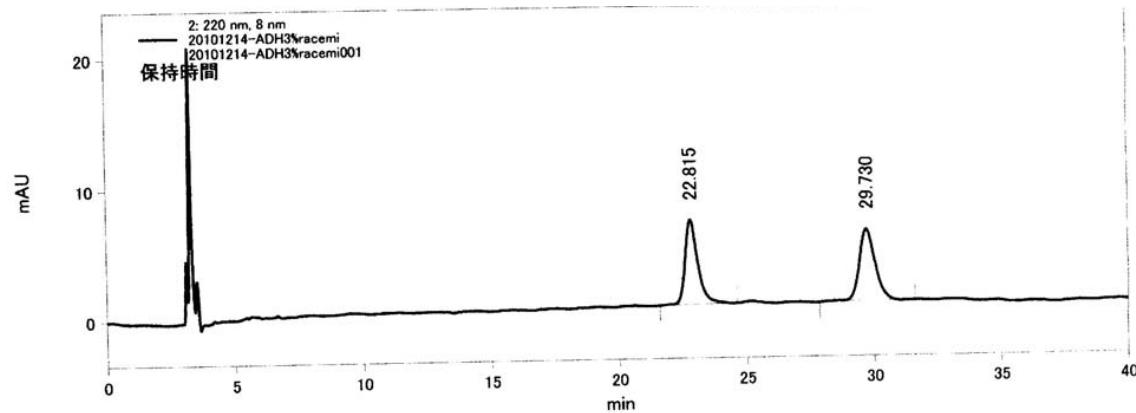
Determination of optical purity of (*S*)-3a

(*S*)-*N*-(3-methyl-2-butene-1-yl)tryptophan methyl ester



Retention time (min)	Area%
22.836	0.24
29.454	99.76

racemate



HPLC conditions

CHIRALCEL AD-H, *n*-hexane/EtOH=97/3, 1.0 mL/min, 220 nm (UV), column temp.: 28 °C