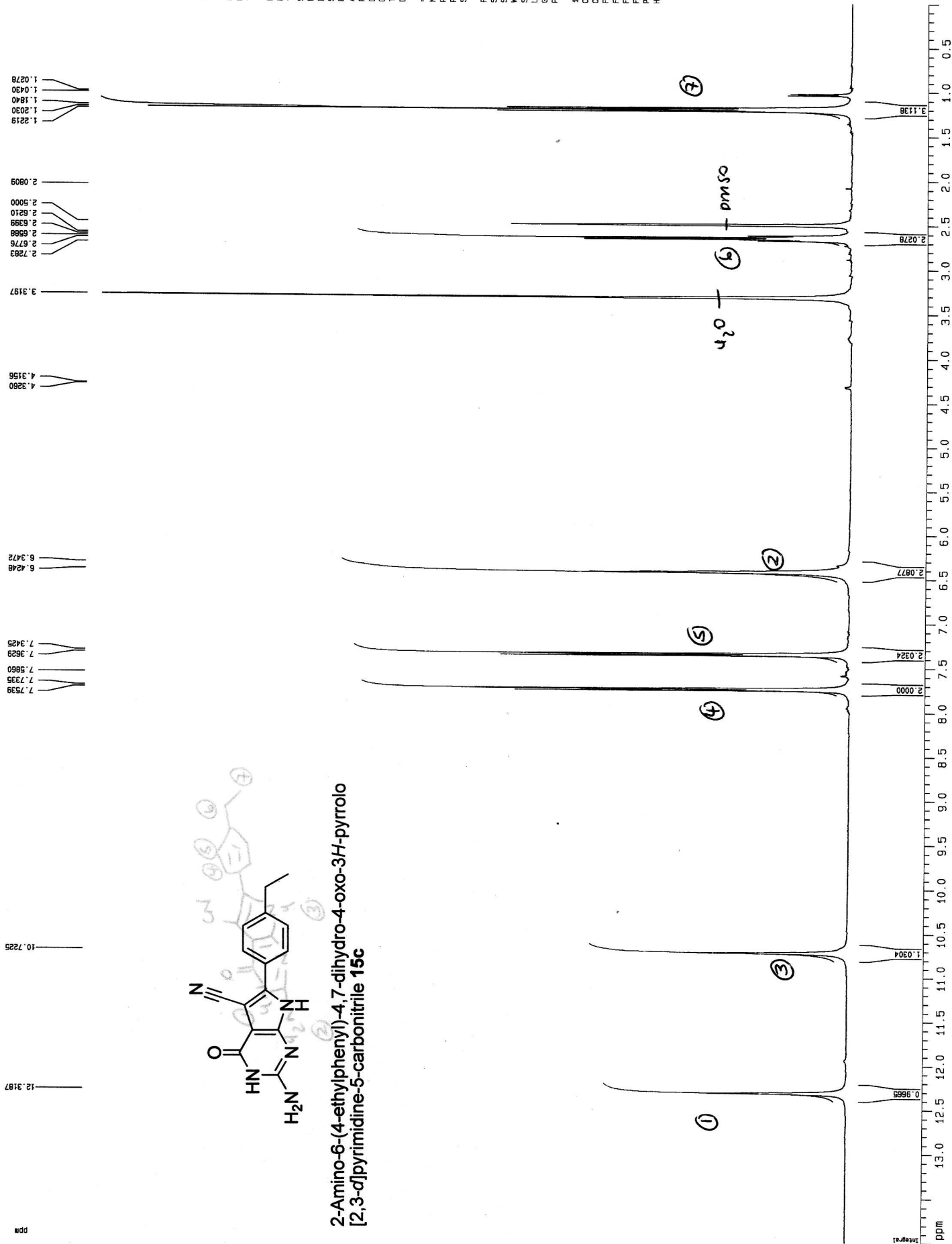
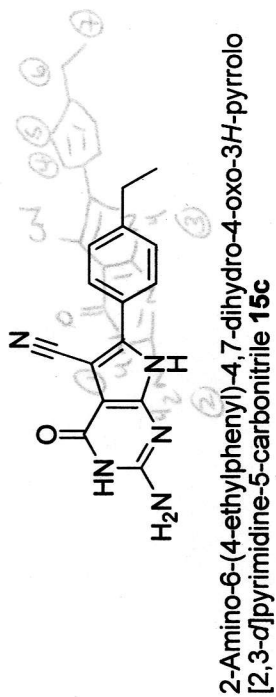




Current Data Parameters
NAME 087734
EXPNO 1
PROCNO 1

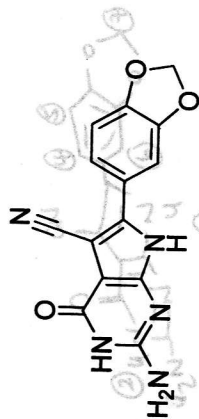
F2 - Acquisition Parameters
Date_ 20060707
Time 8.41
INSTRUM gdx 400
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TO 2030
SOLVENT DMSO
NS 64
DS 2
SWH 8223.685 Hz
FIDRES 0.125463 Hz
AQ 3.9846387 sec
RG 322.5
DM 60.800 usec
DE 6.00 usec
TE 300.0 K
D1 0.10000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300069 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 4.00

1D NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FID 14.000 ppm
F1 560.82 Hz
F2 0.000 Hz
F3 0.000 Hz
PRNCH 0.57143 ppm/cm
HZCN 228.64672 Hz/cm

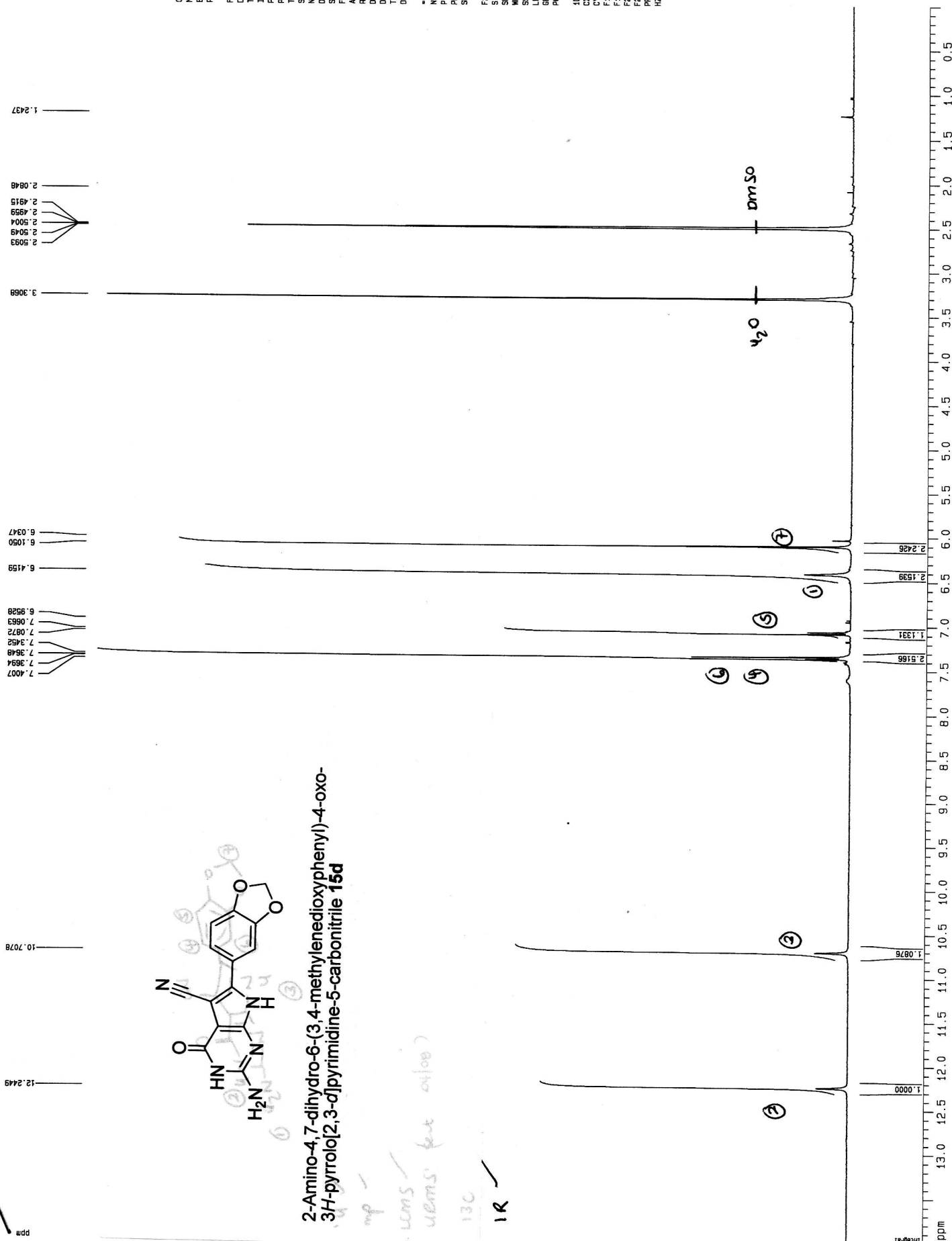
Persun 3-6
 jh 133/pd after hot acetone wash
 eprothm64 pp DMSO u cjs 1



2-Amino-4,7-dihydro-6-(3,4-methylenedioxyphenyl)-4-oxo-3H-pyrrolo[2,3-d]pyrimidine-5-carbonitrile **15d**

mp -
 WMS
 WMS for oil 100
 13C ✓

1R ✓



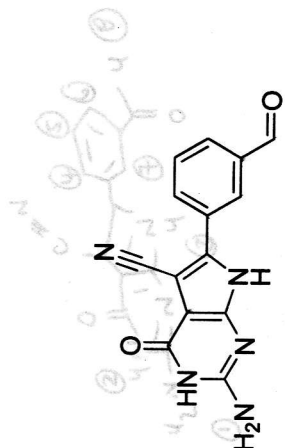
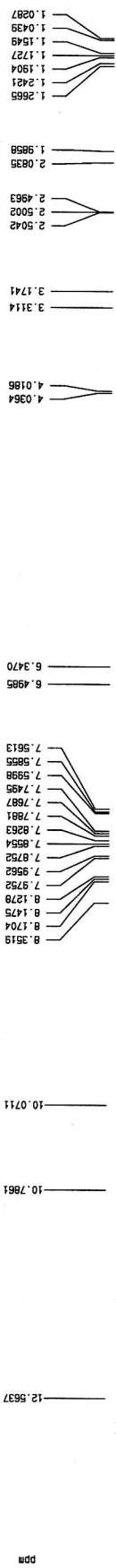
Current Data Parameters
 NAME DB8884
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20060604
 Time 9:23
 INSTRUM dxt-400
 PROBRD 5 mm QNP 1H
 PULPROG zg30
 TO 65336
 SOLVENT DMSO
 NS 64
 DS 2
 SMH 8223.685 Hz
 FIDRES 0.125483 Hz
 AQ 3.9846387 sec
 RG 1824.6
 DM 60.800 usec
 DE 6.00 usec
 TE 300.0 K
 D1 0.10000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL -2.00 dB
 SFO1 400.1332010 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300668 MHz
 MDW EN
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 4.00

1D NMR Plot parameters
 CX 24.50 cm
 CY 14.75 cm
 F1P 14.000 ppm
 F1 5801.82 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PRACH 0.87143 ppm/cm
 HZCN 228.64572 Hz/cm



2-Amino-4,7-dihydro-6-(3-formylphenyl)-4-oxo-3H-pyrrolo[2,3-d]pyrimidine-5-carbonitrile **15e**

Current Data Parameters
NAME DB6800
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060802
Time 17.35
INSTRUM dpx-400
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 64
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846397 sec
RG 1625.5
DM 60.800 usec
DE 6.00 usec
TE 300.0 K
D1 0.10000000 sec

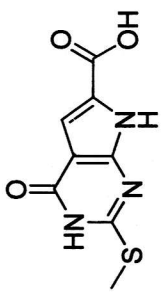
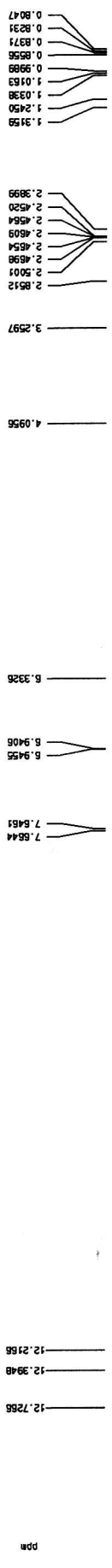
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SFO1 400.1332010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300688 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 4.00

1D NMR plot parameters
CX 24.90 cm
CY 14.75 cm
F1P 14.000 ppm
F2 580.182 Hz
F3 0.000 ppm
F4 0.000 ppm
PCNCH 0.57143 ppm/cm
HZCN 228.84672 Hz/cm

TH 1/70 3-6 10MAD03 @ CO₂H SMC

Person 3-6
sme 8.co2h



2-Methylsulfonyl-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidine 6-carboxylic acid **19**

Current Data Parameters
NAME 042483
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20030310
Time 9.17
INSTRUM dpx-400
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 64
DS 2
SWH 8223.685 Hz
FIDRES 1.45633 Hz
AQ 3.944980 sec
RG 912.3
IN 80.800 usec
DE 6.00 usec
TE 300.0 K
D1 0.10000000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SFO1 400.1332010 MHz
F2 - Processing parameters
SI 32768
SF 400.1300254 MHz
WDW EM
SSB 0
GB 0
PC 4.00
1D NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FIP 14.000 ppm
F1 5601.82 Hz
F2 0.000 ppm
F3 0.00 Hz
PACH 0.57143 ppm
H2O 228.64574 Hz

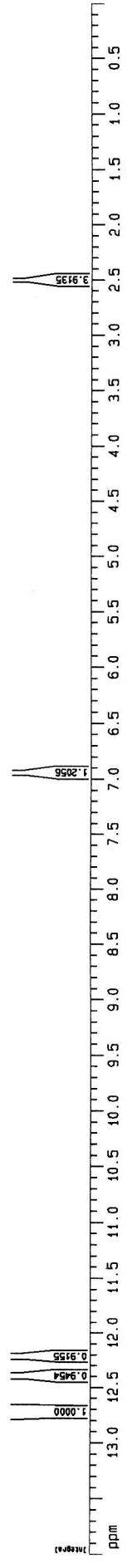
loss of b
loss of a
H₂O band
DMSO
3H
5H

1H
S
CH

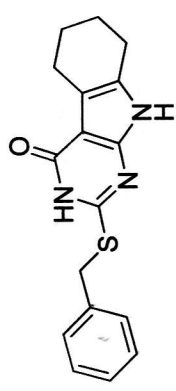
1H 1H
NH NH
S S
↓ ↓

OH
band
1H

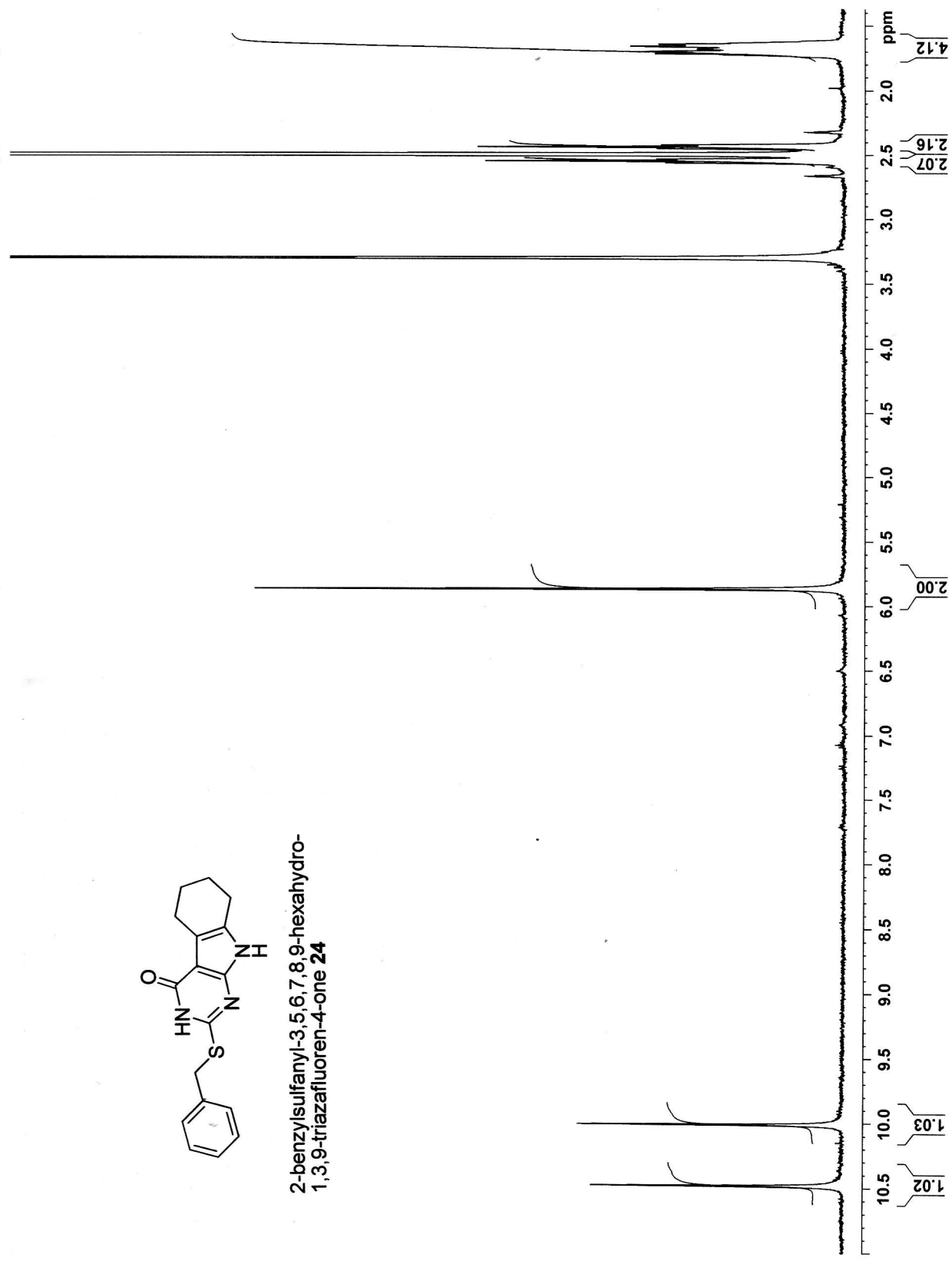
solvent



10.4871
10.0145
5.8660
2.5601
2.5451
2.5311
2.4485
2.4343
2.4193
1.7151
1.6998
1.6781



2-benzylsulfonyl-3,5,6,7,8,9-hexahydro-
1,3,9-triazafuoren-4-one **24**

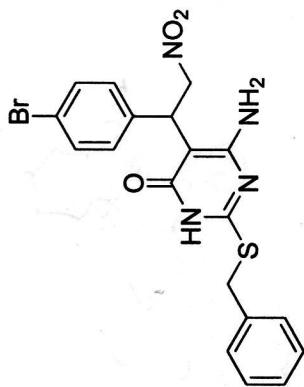
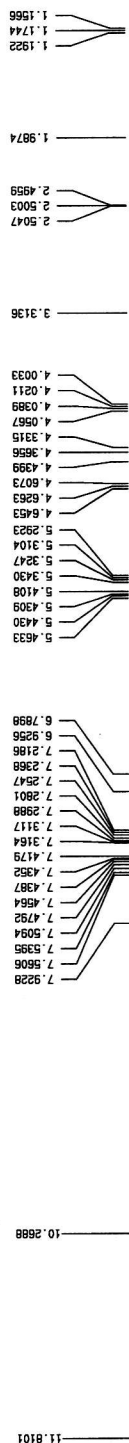


```

NAME      DL16940
EXPNO     1
PROCNO    1
Date_     20090119
Time      15.38
INSTRUM   spect
PROBHD    5 mm QNP 1H/13
PULPROG   zg30
TD         32768
SOLVENT   DMSO
NS         64
DS         2
SWH        8278.146 Hz
FIDRES     0.252629 Hz
AQ         1.9792372 sec
RG         1149.4
DW         60.400 usec
DE         6.00 usec
TE         300.2 K
D1         2.00000000 sec
TD0        1

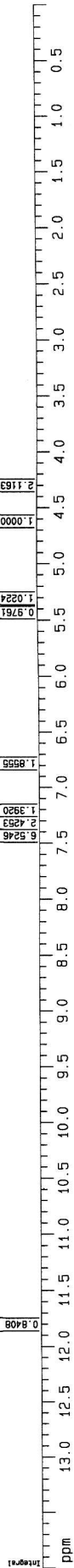
===== CHANNEL f1 =====
NUC1       1H
P1         12.00 usec
PL1        1.10 dB
SFO1       400.1324710 MHz
SI         32768
SF         400.1300053 MHz
WDW        EM
SSB        0
LB         0.30 Hz
GB         0
PC         4.00
  
```

Person 3-1
wsg2061

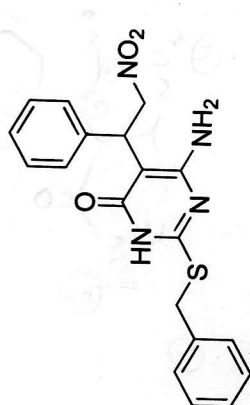
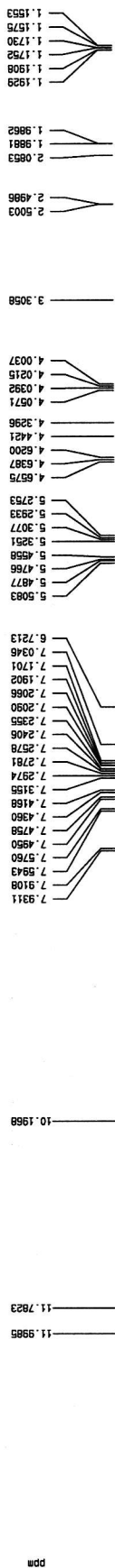


6-amino-2-(benzylthio)-5-(1-(4-bromophenyl)-2-nitroethyl)pyrimidin-4(3H)-one **25a**

Current Data Parameters
NAME D03383
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20090410
Time 11:20
INSTRUM dpx_400
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 64
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 812.7
DM 60.800 usec
DE 6.00 usec
TE 300.0 K
D1 0.1000000 sec
***** CHANNEL f1 *****
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SF01 400.1332010 MHz
F2 - Processing parameters
SI 32768
SF 400.1300688 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 4.00
1D NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FIP 14.000 ppm
F1 9601.82 Hz
F2 0.000 ppm
F3 0.00 Hz
PPM0 0.57143 ppm/cm
HZCM 228.64572 Hz/cm

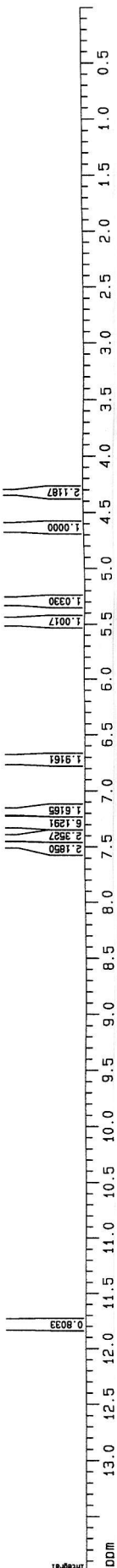


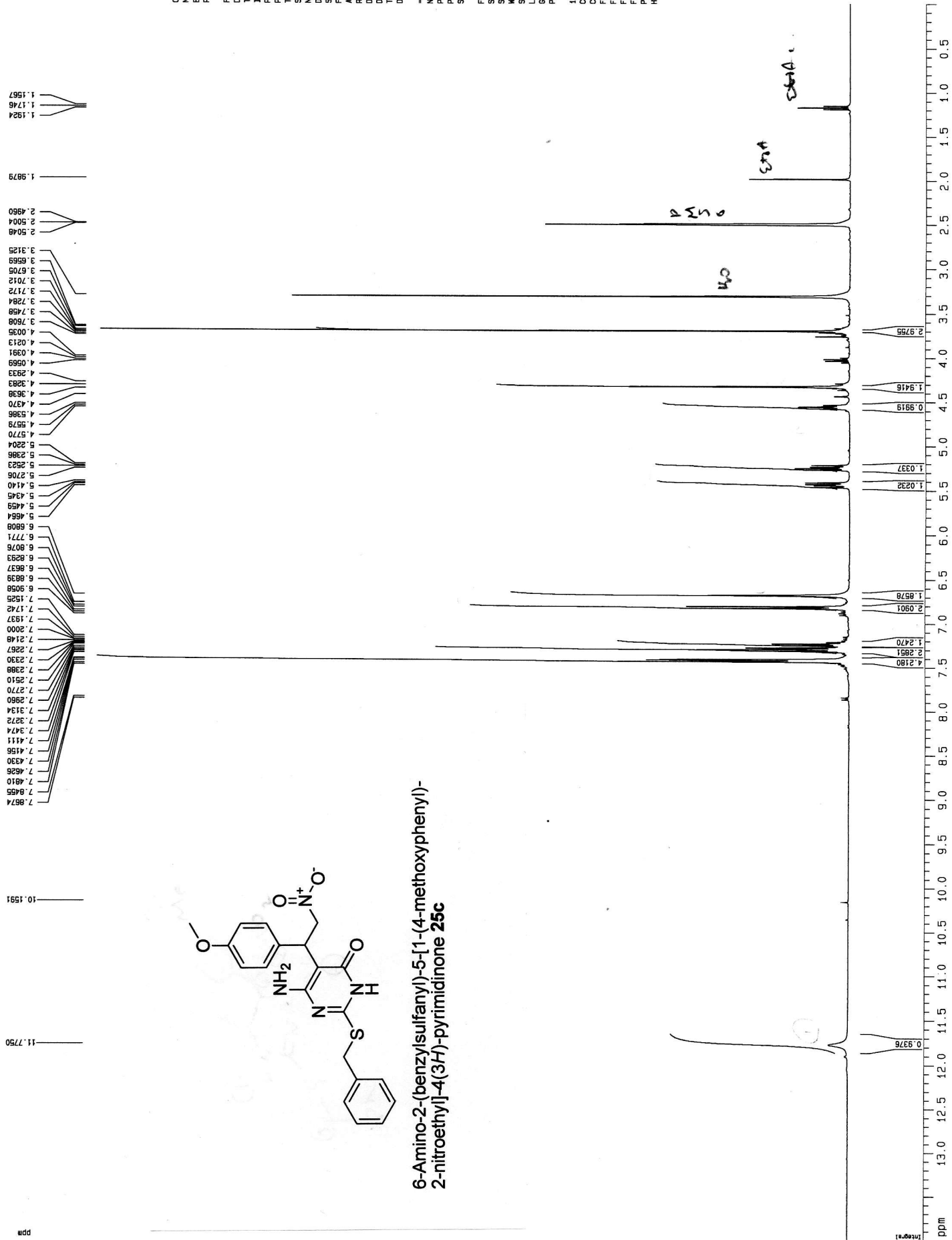
Person 3-B
-H-Michael
@proton64 DMSO d cjs 3



6-amino-2-(benzylthio)-5-(2-nitro-1-phenylethyl)pyrimidin-4(3H)-one **25b**

Current Data Parameters
NAME DB6962
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060620
Time 9.46
INSTRUM gpc_400
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 164
DS 4
SWH 8223.695 Hz
FIDRES 0.129463 Hz
AQ 3.9846387 sec
RG 512
DM 60.800 usec
DE 6.00 usec
TE 300.0 K
D1 0.1000000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SFO1 400.1352010 MHz
F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 4.00
1D NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FIP 14.000 ppm
F1 5601.82 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCH 0.57143 ppm/
HZON 228.84672 Hz/c





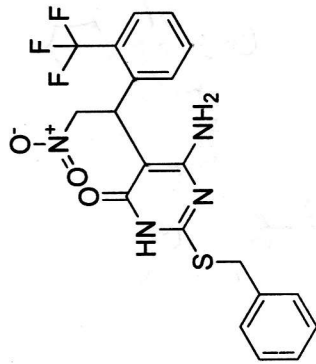
Current Data Parameters
NAME DB3704
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20060426
Time 10:48
INSTRUM gpc_400
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 64
DS 2
SWH 8223.885 Hz
FIDRES 0.125463 Hz
AQ 3.965277 sec
RG 480
PC 1.48
DM 60.800 usec
DE 5.00 usec
TE 300.0 K
D1 0.10000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SF01 400.1332010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300068 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 4.00

ID NMR plot parameters
CX 24.30 cm
CY 14.30 cm
FID 1.0000000
F1 5601.82 Hz
F2 0.0000000 Hz
PPH0 0.57143 ppm/cm
HZN 228.64572 Hz/cm



6-Amino-2-(benzylsulfany)-5-[2-nitro-1-[2-(trifluoromethyl)phenyl]ethyl]-4(3H)-pyrimidinone **254**

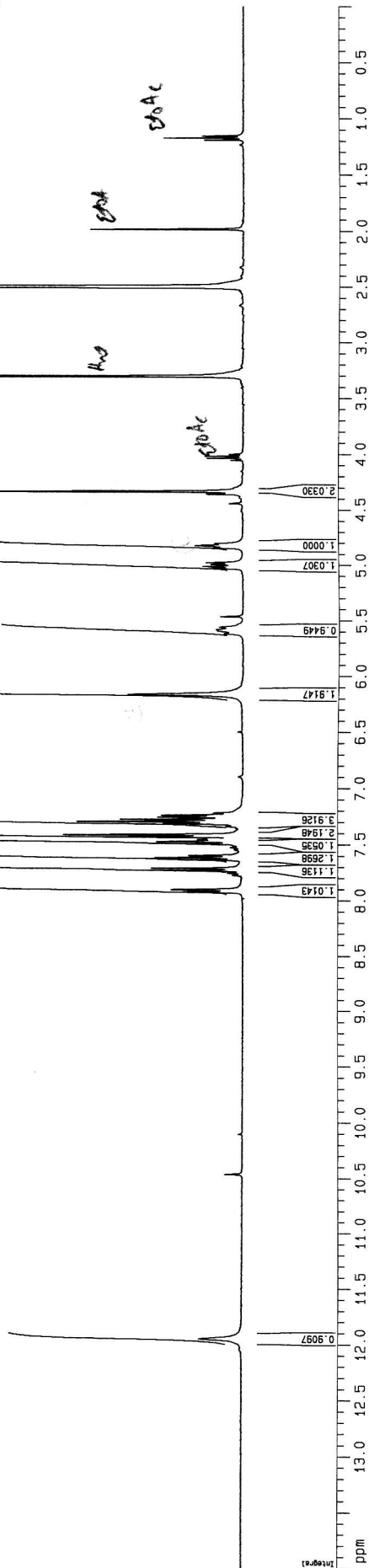
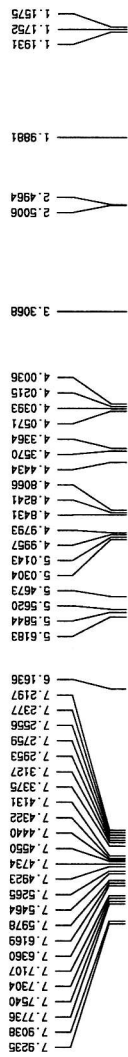
Current Data Parameters
 NAME D63703
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20060426
 Time 10.37
 INSTRUM gpc_400
 PROBHD 5 mm QNP 1H
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 64
 DS 4
 SWH 8223.606 Hz
 FIDRES 0.125463 Hz
 AQ 3.5846387 sec
 RG 574.7
 DE 60.800 usec
 TE 300.0 K
 D1 0.1000000 sec

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 -3.00 dB
 SF01 400.1332010 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300073 MHz
 MCW EN
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 4.00

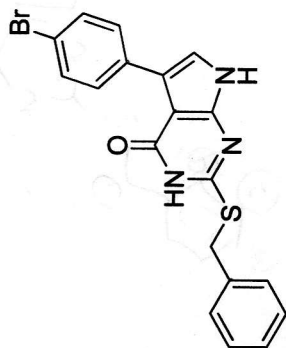
ID NMR plot parameters
 CX 24.50 cm
 CY 14.75 cm
 FIP 14.000 ppm
 F1 5601.82 Hz
 F2 0.000 ppm
 F2 0.00 Hz
 PPMCN 0.57143 ppm/cm
 HZCN 228.64572 Hz/cm



ppm

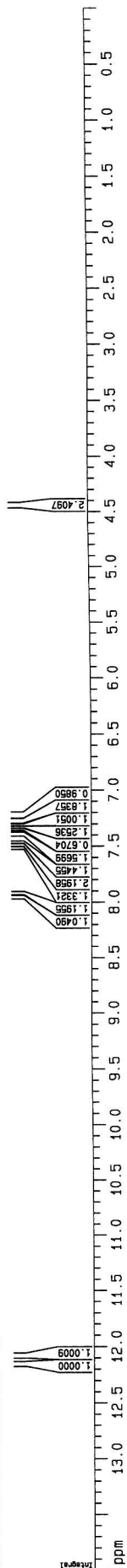
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7.9216
7.9088
7.8873
7.8803
7.8524
7.8390
7.8367
7.8263
7.8072
7.7865
7.7423
7.7258

4.4377
4.3379
3.3093
3.1661
2.5042
2.4998
2.4953
2.4912
2.0844
1.9871
1.9079
1.1742



2-(Benzylsulfany)-5-(4-bromophenyl)-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one **26a**

Current Data Parameters
NAME DB6955
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060616
Time 10.12
INSTRUM gdx_400
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 64
DS 2
SWH 8223.883 Hz
FIDRES 0.122463 Hz
AQ 3.595571 sec
RG 724.1
DE 60.800 usec
TE 300.0 K
D1 0.1000000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SF01 400.132010 MHz
F2 - Processing parameters
SI 32768
SF 400.1300070 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 4.00
ID NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FID 14.000 ppm
F1 5501.82 Hz
F2 0.000 ppm
F3 0.00 Hz
PPHON 0.57143 ppm/cm
HZON 228.64572 Hz/cm



h-cycle-remained

12.1256
12.0287

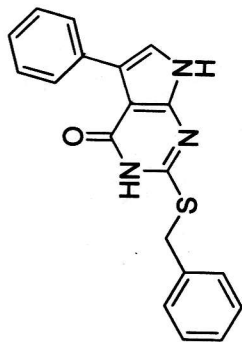
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7.9167
7.4933
7.4746
7.3969
7.3213
7.2701
7.2524
7.2100
7.1914
7.1734

4.460

3.3981

2.5082
2.5043

1.2402



2-(benzylthio)-5-phenyl-3H-pyrrolo
[2,3-d]pyrimidin-4(7H)-one **26b**

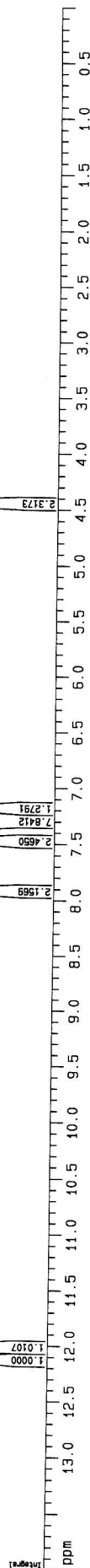
Current Data Parameters
NAME D95481
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20071111
Time 19.14
INSTRUM spect
PROBHD 5 mm QNP 1H/1
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 64
DS 2
SWH 8276.146 Hz
FIDRES 0.258629 Hz
AQ 1.5792372 sec
RG 1025.5
AQ 50.400 usec
DE 6.00 usec
TE 300.2 K
D1 2.0000000 sec
D11 2.0000000 sec
D12 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 4.00

1D NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FLP 14.000 ppm
F1 5601.82 Hz
F2 0.000 ppm
P2 0.00 Hz
PPHCH 0.57143 ppm/cm
HZCN 228.64572 Hz/cm

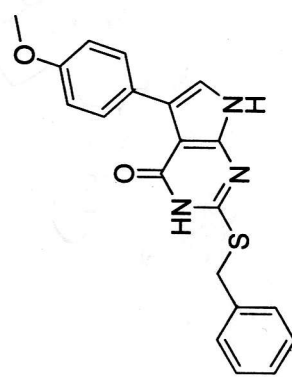


ppm

12.047
11.902

7.8648
7.8428
7.4793
7.4611
7.4000
7.3442
7.3265
7.3075
7.2782
7.2500
7.2415
7.1980
7.1519
6.9040
6.8819
6.8327
6.7948

4.4347
4.3967
4.3477
4.0386
4.0209
3.7943
3.7794
3.7326
3.7037
3.7033
3.7094
3.6837
3.6600
3.3021
2.6689
2.5087
2.5044
2.4999
2.4955
2.4913
2.3289
1.9875
1.1925
1.1748
1.1570



2-(Benzylsulfany)-5-(4-methoxyphenyl)-3,7-dihydro-4H-pyrido[2,3-d]pyrimidin-4-one ~~2021~~ **26c**

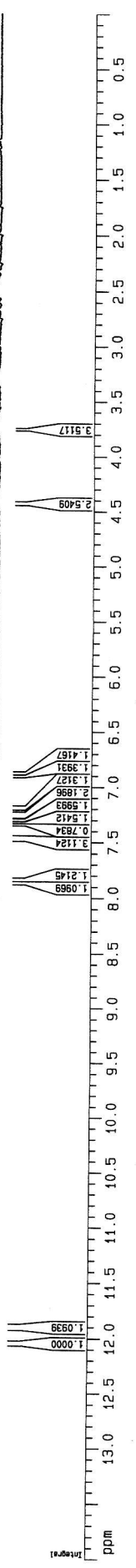
Current Data Parameters
NAME DB6891
EXPNO 1
PROCNO 1

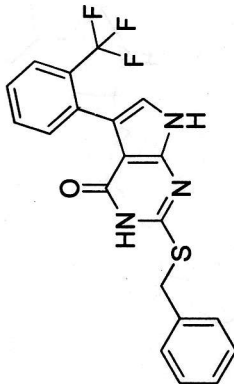
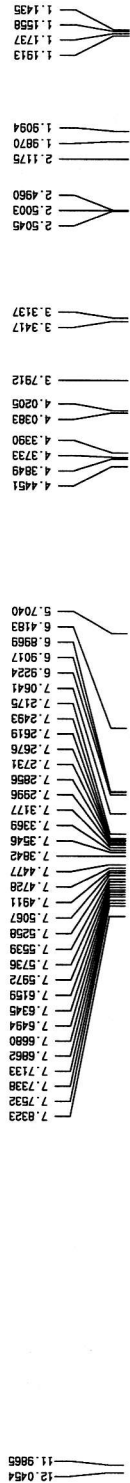
F2 - Acquisition Parameters
Date_ 20060616
Time 13.59
INSTRUM dpx_400
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 64
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9946397 sec
RG 1024
DM 60.800 usec
DE 6.00 usec
TE 300.0 K
D1 0.10000000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SF01 400.132010 MHz

F2 - Processing parameters
SI 32768
SF 400.1300070 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
BB 0
PC 4.00

ID NMR plot parameters
CX 24.50 cm
CY 19.62 cm
F1P 14.000 ppm
F1 5801.62 Hz
F2 0.000 ppm
F2 0.000 Hz
PRON 0.8743 ppm/cm
HZCM 228.64672 Hz/cm

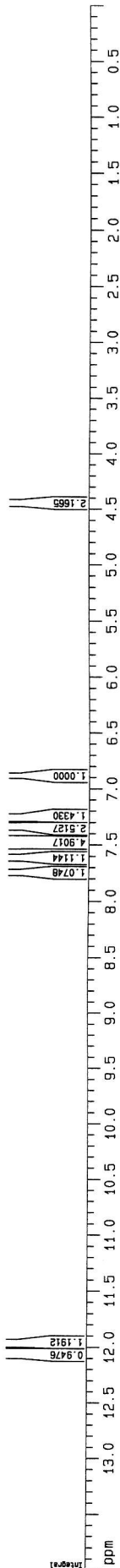


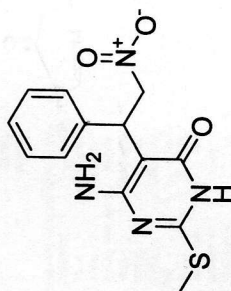
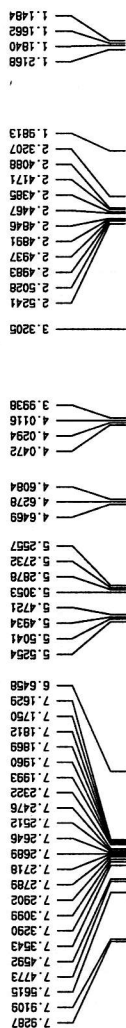


2-(Benzylsulfany)-5-[2-(trifluoromethyl)phenyl]-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one **26d**

Current Data Parameters
NAME DMSO
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20060512
Time 11.06
INSTRUM cdx_400
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 64
DS 2
SWH 8223.685 Hz
FIDRES 0.125483 Hz
AQ 3.9846387 sec
RG 812.7
DM 60.800 usec
DE 6.00 usec
TE 300.0 K
D1 0.10000000 sec
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 -3.00 dB
SFO1 400.1332010 MHz
F2 - Processing parameters
SI 32768
SF 400.1300068 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 4.00
1D NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FIP 14.000 ppm
F1 5601.82 Hz
F2 0.000 ppm
F3 0.00 Hz
PRON 0.5747499 Hz/cm
HZCN 228.64572 Hz/cm

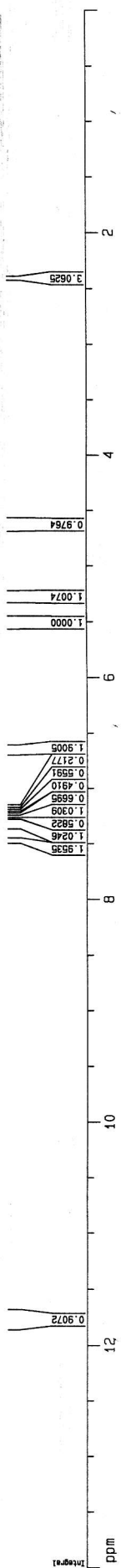
CH
CH3

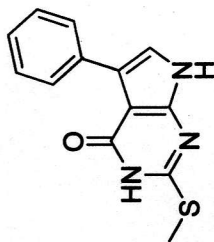




6-Amino-2-(methylsulfanyl)-5-(2-nitro-1-phenylethyl)-
4(3H)-pyrimidinone **27**

Current Data Parameters
NAME D100789
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Date_ 20070626
Time 1.40
INSTRUM spect
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT DMSO
NS 2
DS 2
SWH 8278.146 Hz
FIDRES 0.259228 Hz
AQ 1.9782372 sec
RG 646.1
DM 60.400 usec
DE 6.00 usec
TE 296.2 K
D1 2.0000000 sec
TDO 1
===== CHANNEL f1 =====
NUC1 1H
P1 12.00 usec
PL1 1.10 dB
SFO1 400.1324710 MHz
F2 - Processing parameters
SI 32768
SF 400.1300953 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 10.00
ID NMR plot parameters
CX 24.50 cm
CY 14.75 cm
FID 14.000 ppm
F2 5601.62 Hz
F3 0.000 ppm
F4 0.000 Hz
PRON 0.97143 ppm/cm
HZCN 228.64672 Hz/cm



12.1080
11.97387.9300
7.9118
7.3289
7.3100
7.2904
7.2795
7.2740
7.1912
7.1726
7.15453.3276
3.30392.5244
2.4979
2.4936
2.48932-(Methylsulfanyl)-5-phenyl-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one **28**Current Data Parameter
NAME
EXPNO
PROCNO

F2 - Acquisition Param

Date_ 2007061

Time 18.1

INSTRUM spect

PROBHD 5 mm QNP 1H/1

PULPROG zgpg30

TD 3271

SOLVENT DMS

NS 1

DS 8278.1

SWH 0.25500

FIDRES 1.37523

AQ 403

RG 60.41

DM 6.1

DE 286

TE 2

D1 2.0000001

T00

***** CHANNEL f1 **

NUC1 12.0

P1 1.0

PL1 400.13247

SF01 400.13247

F2 - Processing param

SI 3271

SF 400.130001

WDW 1

SSB 0.0

LB 4.0

GB 4.0

PC 24.0

CY 14.0

F1P 5601.1

F2P 0.01

F3P 0.01

PPM0H 0.571

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

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H2O 228.545

H2O 228.545

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H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

H2O 228.545

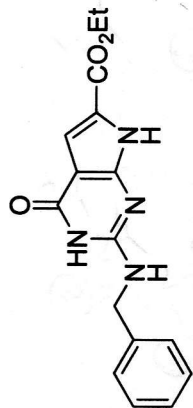
H2O 228.545

H2O 228.545

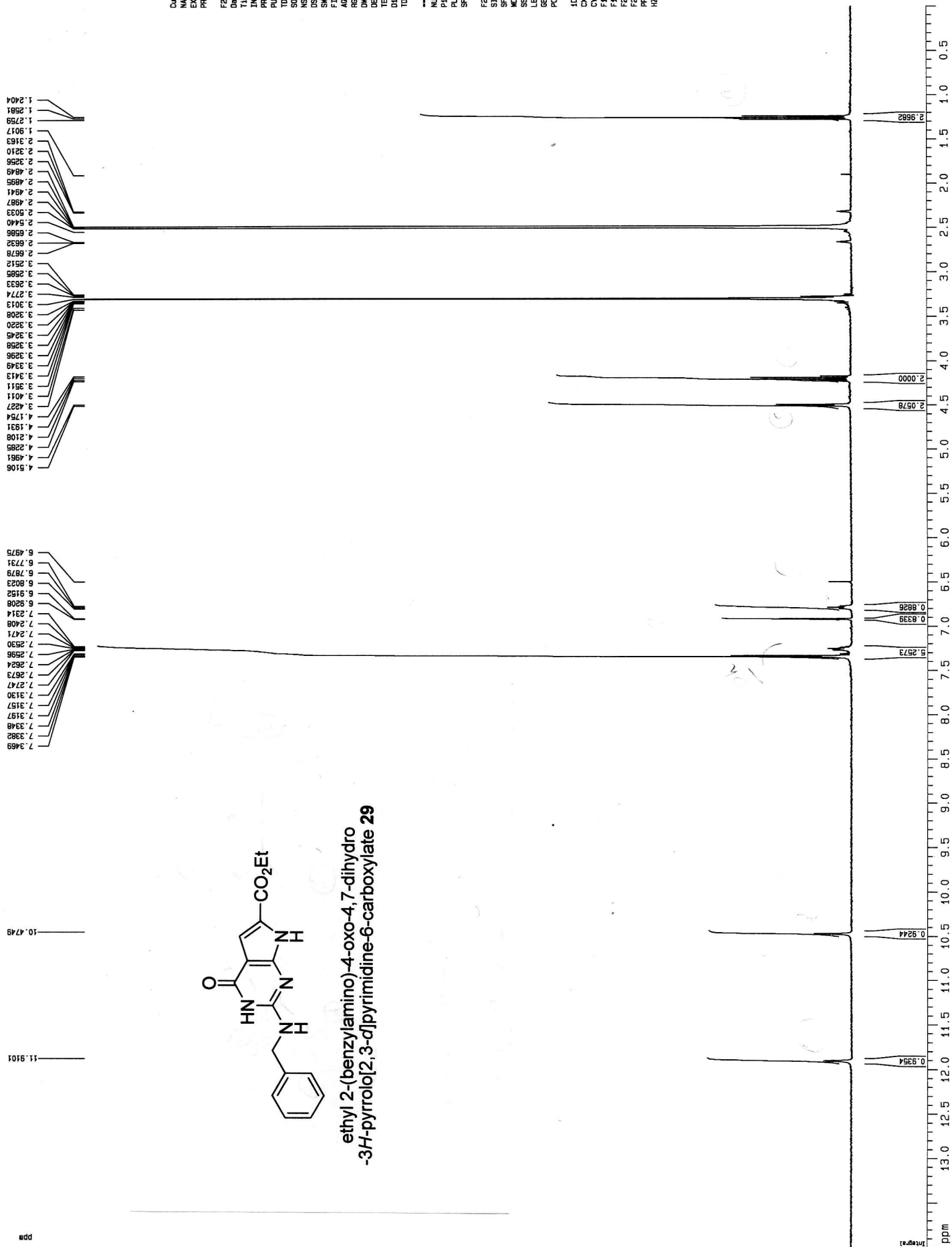
H2O 228.545

H2O 228.545

H2O 228.545



ethyl 2-(benzylamino)-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidine-6-carboxylate 29



Current Data Parameters
 NAME: B06530
 EXPNO: 1
 PROCNO: 1

F2 - Acquisition Parameters
 Date_: 20071123
 Time: 14.57
 INSTRUM: AV400
 PROBHD: 5 mm PABBO B8-
 PULPROG: zg30
 TD: 32768
 SOLVENT: DMSO
 NS: 64
 DS: 2
 SWH: 8278.146 Hz
 FIDRES: 0.252623 Hz
 AQ: 1.5752372 sec
 RG: 374.7
 DB: 60.400 usec
 DE: 6.00 usec
 TE: 300.0 K
 D1: 2.00000000 sec
 T00: 1

===== CHANNEL f1 =====
 NUC1: 1H
 P1: 12.00 usec
 PL1: -2.50 dB
 SF01: 400.0324703 MHz

F2 - Processing parameters
 SI: 32768
 SF: 400.0300028 MHz
 WDW: EM
 SSF: 0.30 Hz
 LB: 0
 GB: 0
 PC: 2.00

1D NMR plot parameters
 CX: 24.50 cm
 CY: 138.68 cm
 FIP: 14.000 ppm
 F1: 9500.42 Hz
 F2P: 0.000 ppm
 F2: 0.00 Hz
 PPMON: 0.57143 ppm/cm
 HZON: 226.58859 Hz/cm

```

Current Data Parameters
NAME          B0693X
EXPNO         1
PROCNO        1

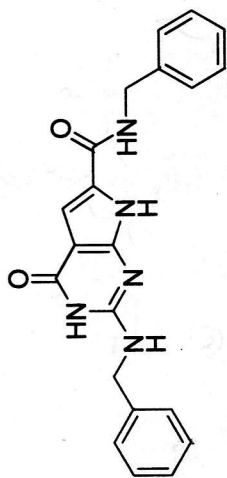
F2 - Acquisition Parameters
Data_         20071123
Time          15.07
INSTRUM       AYA40
PROBHD        5 mm PABBO 8B
PULPROG       zg30
TD            32768
SOLVENT       DMSO
NS            4
DS            4
SWH           8278.446 Hz
AQ            0.253629 Hz
RG            574.7
FIDRES        1.9792372 sec
AQ            60.400 usec
DE            6.00 usec
TE            300.0 K
D1            2.0000000 sec
T1            1
T1D1          1
T1D0          1

----- CHANNEL f1 -----
NUC1          1H
P1            12.00 usec
PL1           0.00 dB
SFO1          400.0324703 MHz

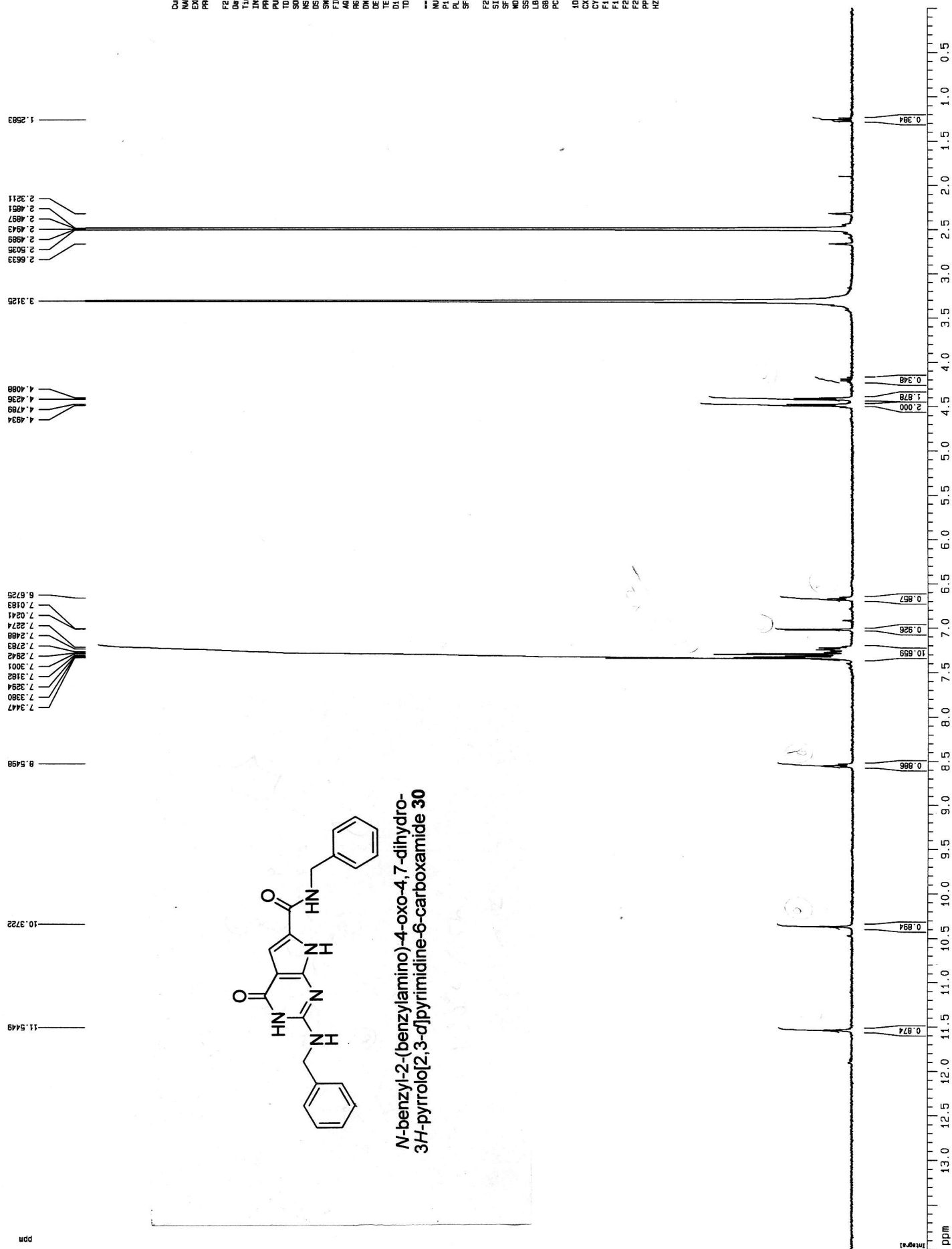
F2 - Processing parameters
SI            32768
SF           400.0300028 MHz
EN            0
RG            574.7
WDW            EM
SSB            0
LB            0.30 Hz
GB            0
PC            10.00

1D NMR plot parameters
CX            24.30 cm
F1            14.000 ppm
F2            5900.42 Hz
F3            0.000 ppm
F4            0.00 Hz
PRNPROG       HZNMR
HZNMR         228.58965 Hz/cm

```

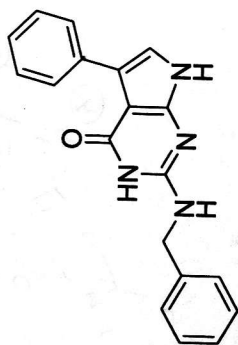


N*-benzyl-2-(benzylamino)-4-oxo-4,7-dihydro-3*H*-pyrrolo[2,3-*d*]pyrimidine-6-carboxamide **30*



further purification-benzylamine-100-15h-sulfonecrude

11.3456
10.3057



2-(benzylamino)-5-phenyl-3H-pyrrolo
[2,3-d]pyrimidin-4(7H)-one **31a**

7.9365
7.9333
7.9195
7.9485
7.3374
7.2915
7.2728
7.2524
7.2527
7.2414
7.1472
7.1288
7.1105
7.0955
6.9955
6.9565
6.9310
6.9163

4.5060
4.4914

3.3012
3.2773

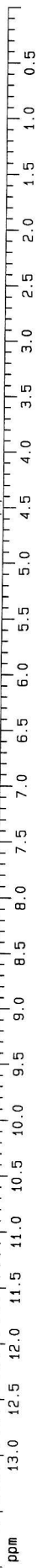
2.6636
2.5171
2.5124
2.5036
2.4992
2.4846
2.4800
2.4566
2.3214

4.0
DMSO

2.1513
1.0000
1.0617
1.2317
3.0188
0.6769
2.3968
1.8175

2.0415

0.9198
0.9328



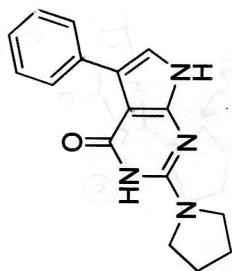
Current Data Parameters
NAME 805271
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20070822
Time 17.21
INSTRUM AV400
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 64
DS 2
SWH 8278.146 Hz
FIDRES 0.255629 Hz
AQ 1.9792372 sec
RG 574.7
DM 60.400 usec
DE 6.00 usec
TE 300.0 K
D1 2.0000000 sec
TDO 1

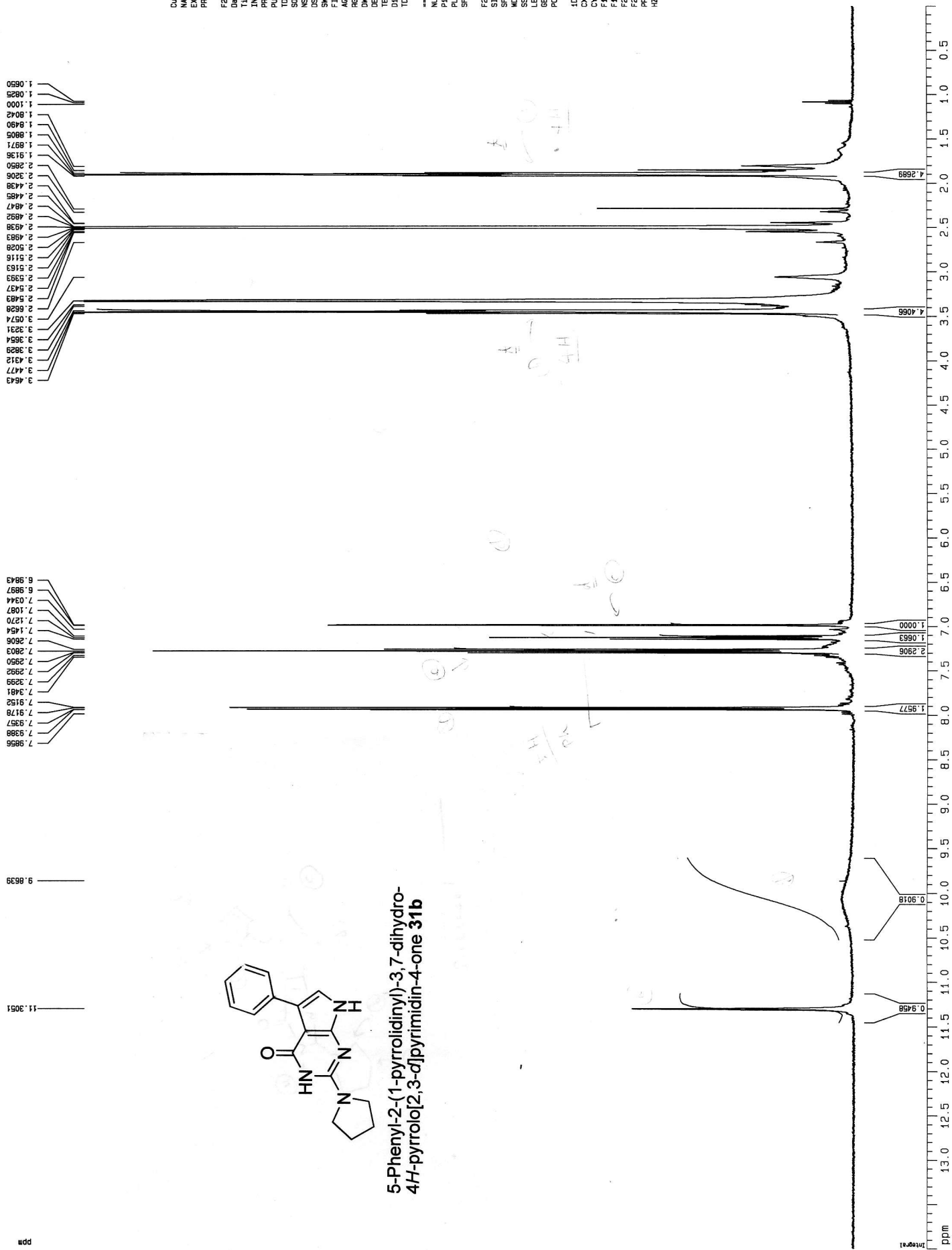
===== CHANNEL f1 =====
NUC1 1H
P1 12.00 usec
PL1 -2.50 dB
SFO1 400.0324763 MHz

F2 - Processing parameters
SI 32768
SF 400.0300258 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 10.00

1D NMR plot parameters
CX 24.50 cm
CA 45.00 cm
F1 1.0000000 MHz
F2 5600.42 Hz
F3 0.0000000 MHz
F4 0.00 Hz
F5 0.00 Hz
PRNCH 0.57143 ppm/cm
HZCM 228.98958 Hz/cm



5-Phenyl-2-(1-pyrrolidinyl)-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one **31b**



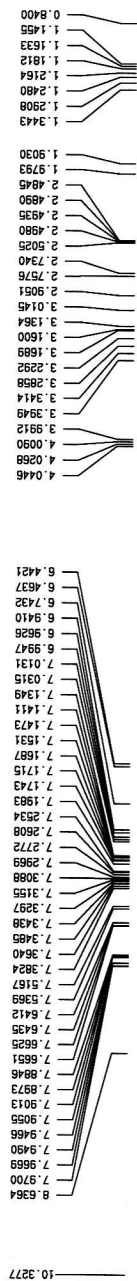
Current Data Parameters
 NAME D103577
 EXPNO 1
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20070908
 Time 1.23
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 64
 DS 2
 SWH 6278.146 Hz
 FIDRES 0.253629 Hz
 AQ 1.9782372 sec
 RG 646.1
 DM 60.400 usec
 DE 6.00 usec
 TE 296.2 K
 D1 2.00000000 sec
 TDO 1

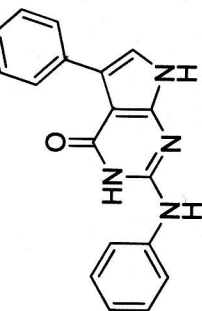
===== CHANNEL f1 =====
 NUC1 1H
 P1 12.00 usec
 PL1 1.10 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.130053 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 5.00

1D NMR plot parameters
 CX 24.50 cm
 CY 96.72 cm
 F1 14.000 ppm
 F1 5801.82 Hz
 F2 0.000 ppm
 F2 0.000 Hz
 PPRN 0.3775 ppm/cm
 HZCN 228.64572 Hz/cm



2-Anilino-5-phenyl-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one 31c



Current Data Parameters
 NAME D104982
 EXPNO 1
 PROCNO 1
 F2 - Acquisition Parameters
 Date_ 20071001
 Time 19:25
 INSTRUM spect
 PROBHD 5 mm QNP 1H/13
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 64
 DS 2
 SWH 8278.146 Hz
 FIDRES 0.25693 Hz
 AQ 1.378232 sec
 RG 287.4
 DM 60.400 usec
 DE 6.00 usec
 TE 295.2 K
 D1 2.0000000 sec
 TDO 1
 ----- CHANNEL f1 -----
 NUC1 1H
 P1 12.00 usec
 PL1 1.10 dB
 SF01 400.1324710 MHz
 F2 - Processing parameters
 SI 32768
 SF 400.1300633 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 20.00
 1D NMR plot parameters
 CX 24.50 cm
 CY 6.34 cm
 F1P 14.000 ppm
 F1 5601.82 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPM0 0.57143 ppm/cm
 HZ0 288.64572 Hz/cm

