

## Supporting Information

### Copper-catalyzed aerobic oxidative decarboxylative amination of arylacetic acids: a facile access to 2-arylquinazolines

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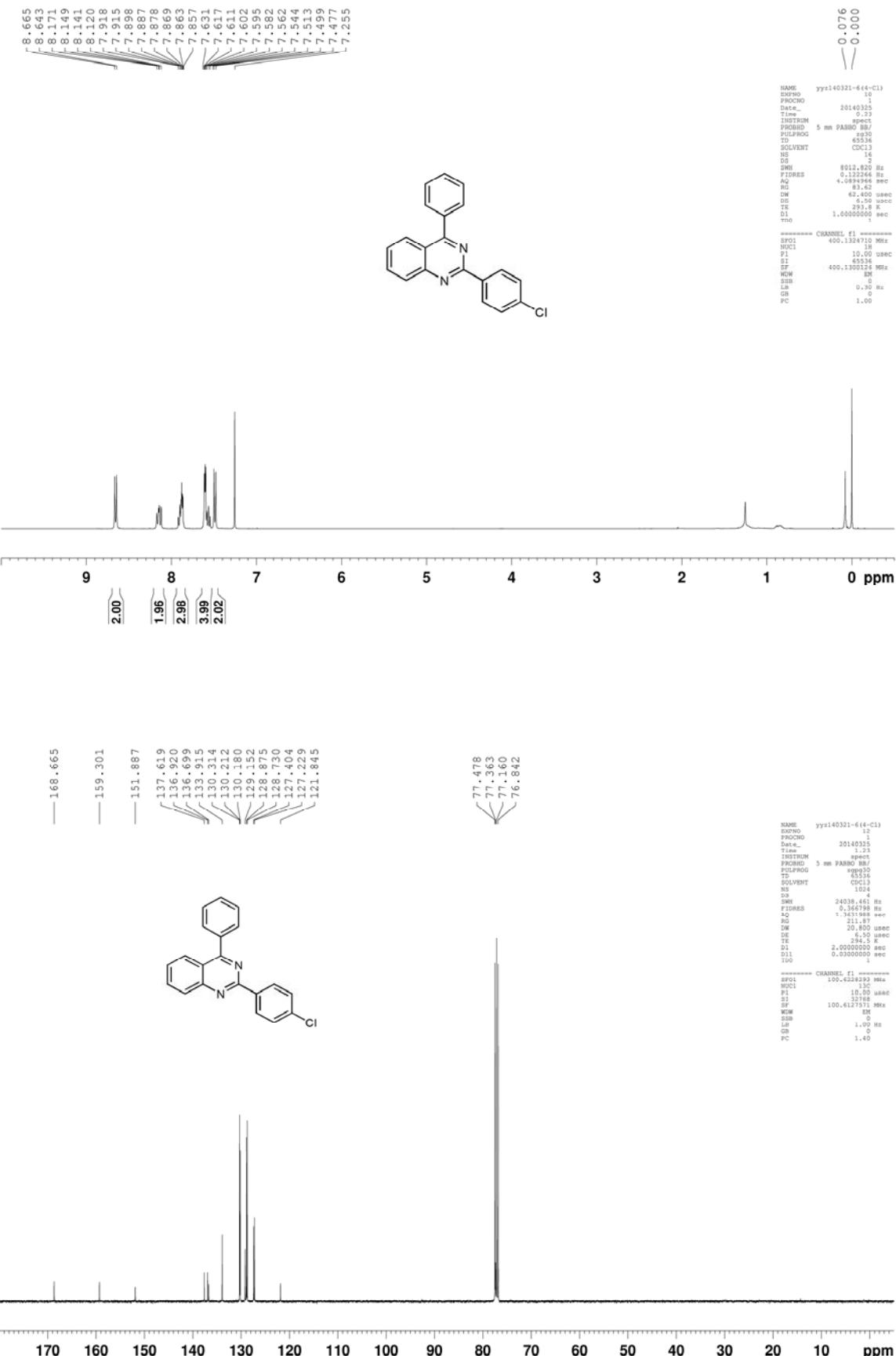
<sup>‡</sup> Collaborative Innovation Center of Food Production and Safety, Henan Province, P. R. China.

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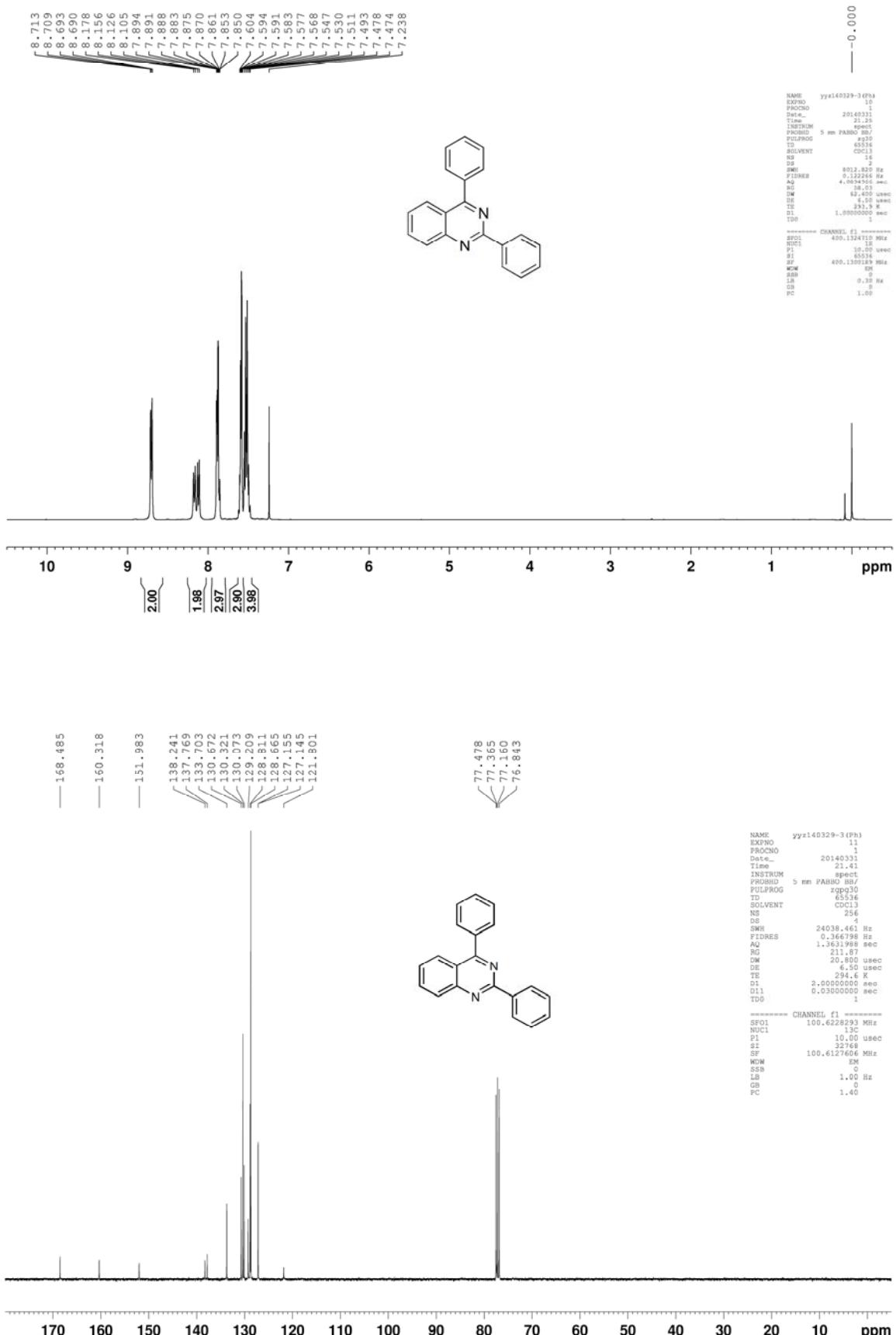
## Contents

<b><sup>1</sup>H NMR and <sup>13</sup>C NMR spectra</b>	<b>S1-S31</b>
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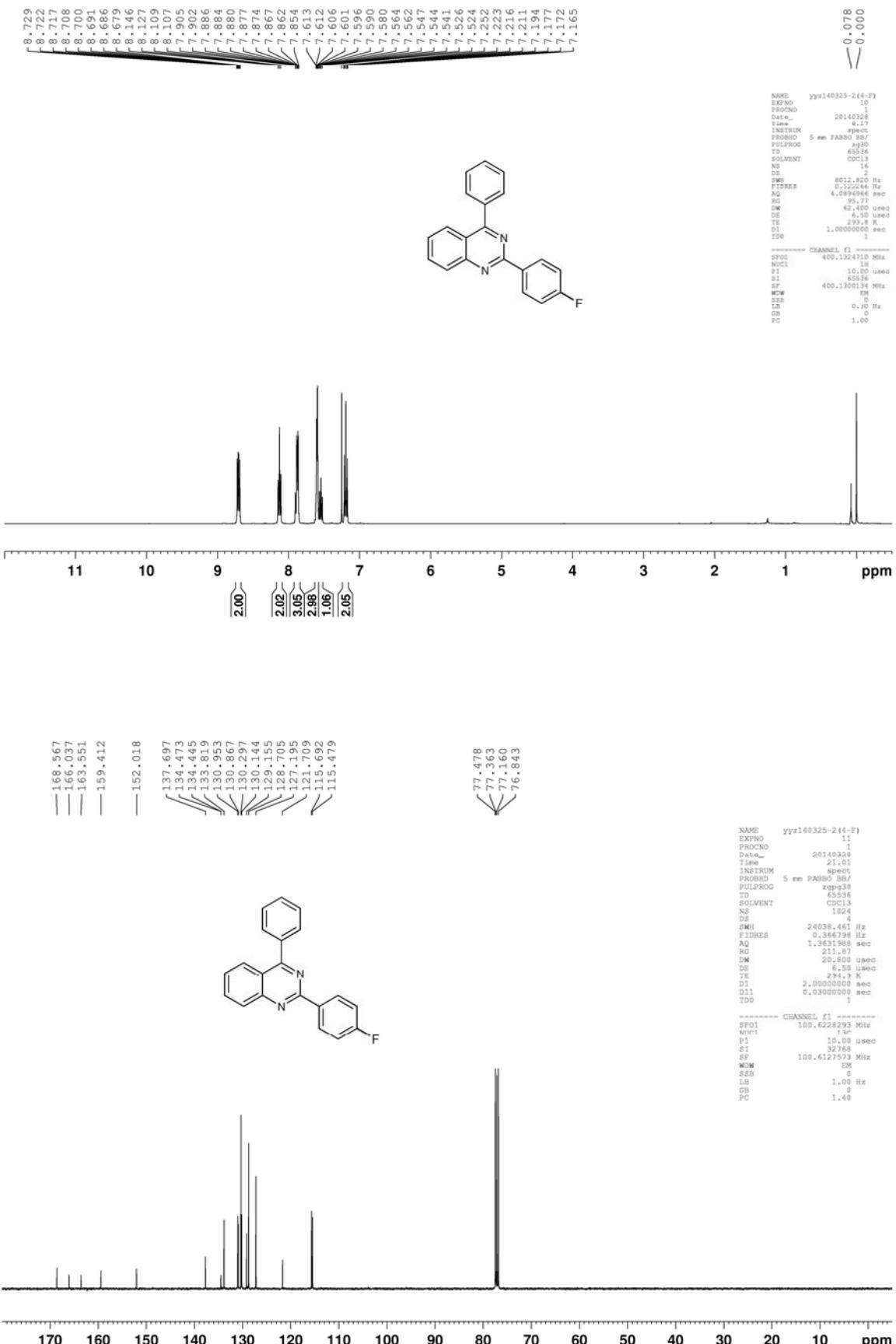
**2-(4-chlorophenyl)-4-phenylquinazoline (3aa)**



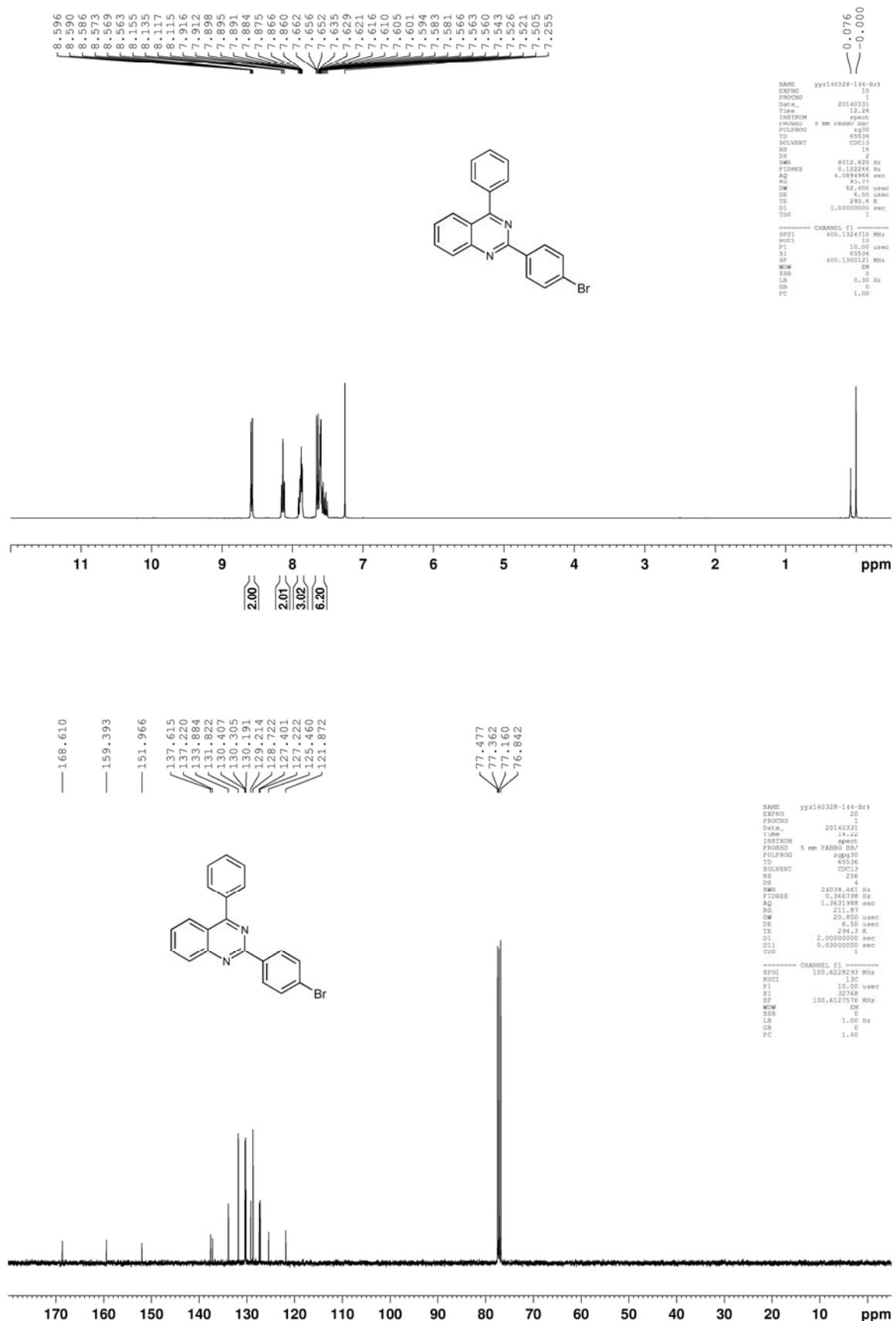
**2,4-diphenylquinazoline (3ab)**



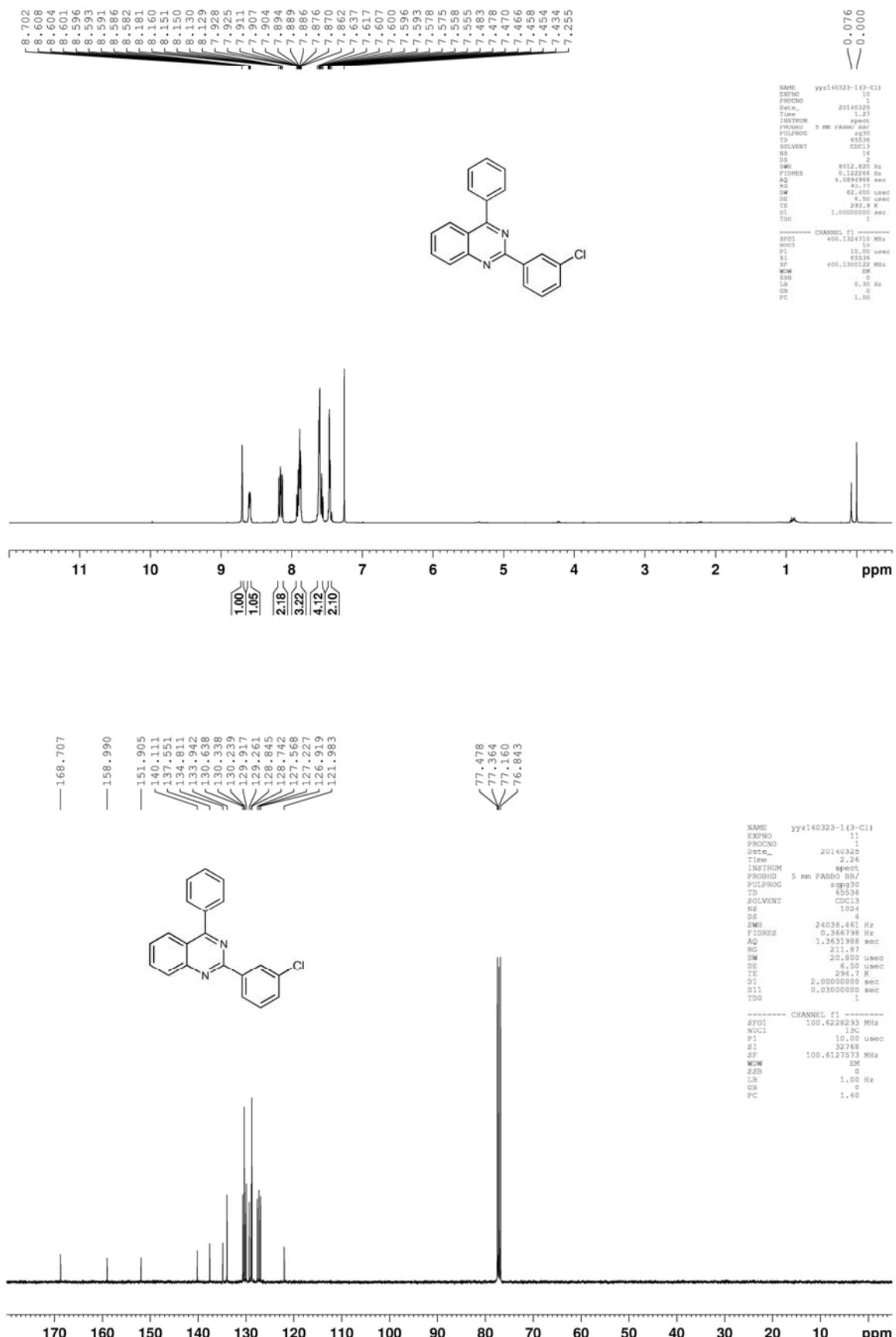
**2-(4-fluorophenyl)-4-phenylquinazoline (3ac)**



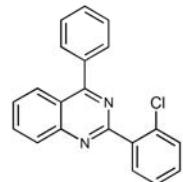
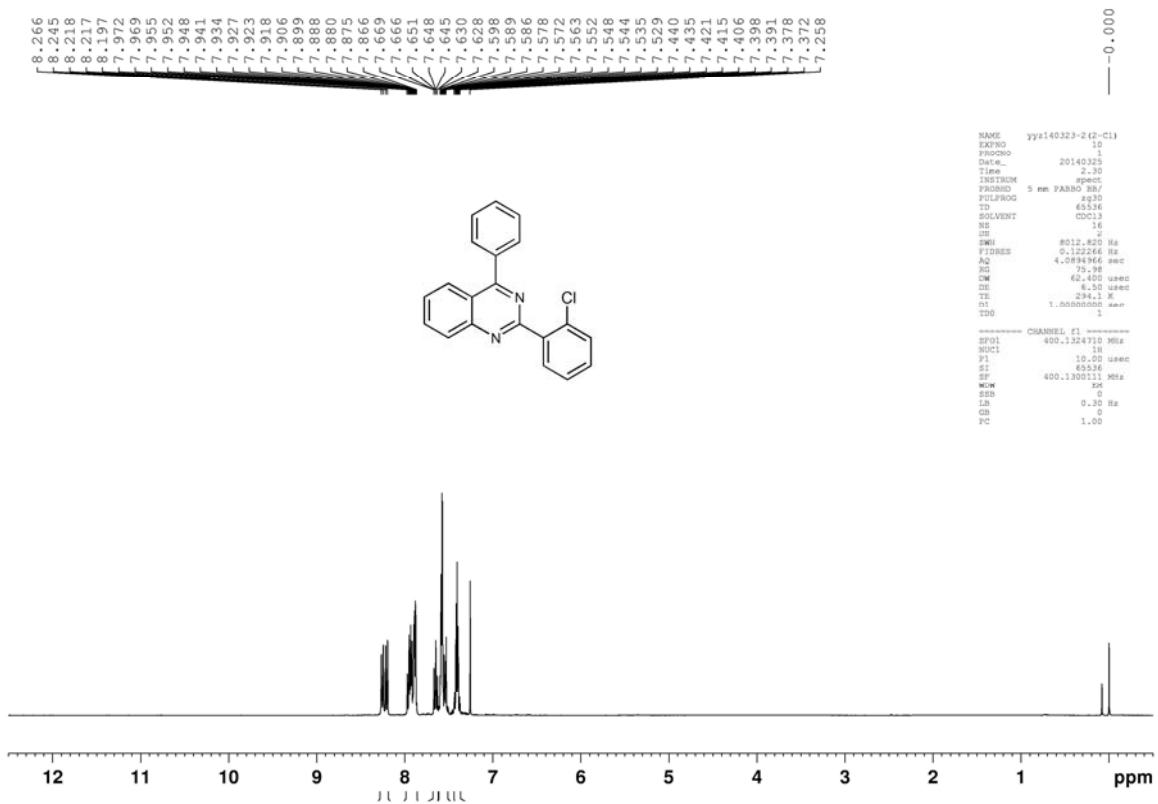
**2-(4-bromophenyl)-4-phenylquinazoline (3ad)**



### **2-(3-chlorophenyl)-4-phenylquinazoline (3ae)**



### **2-(2-chlorophenyl)-4-phenylquinazoline (3af)**

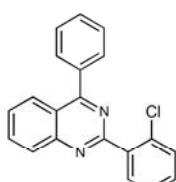
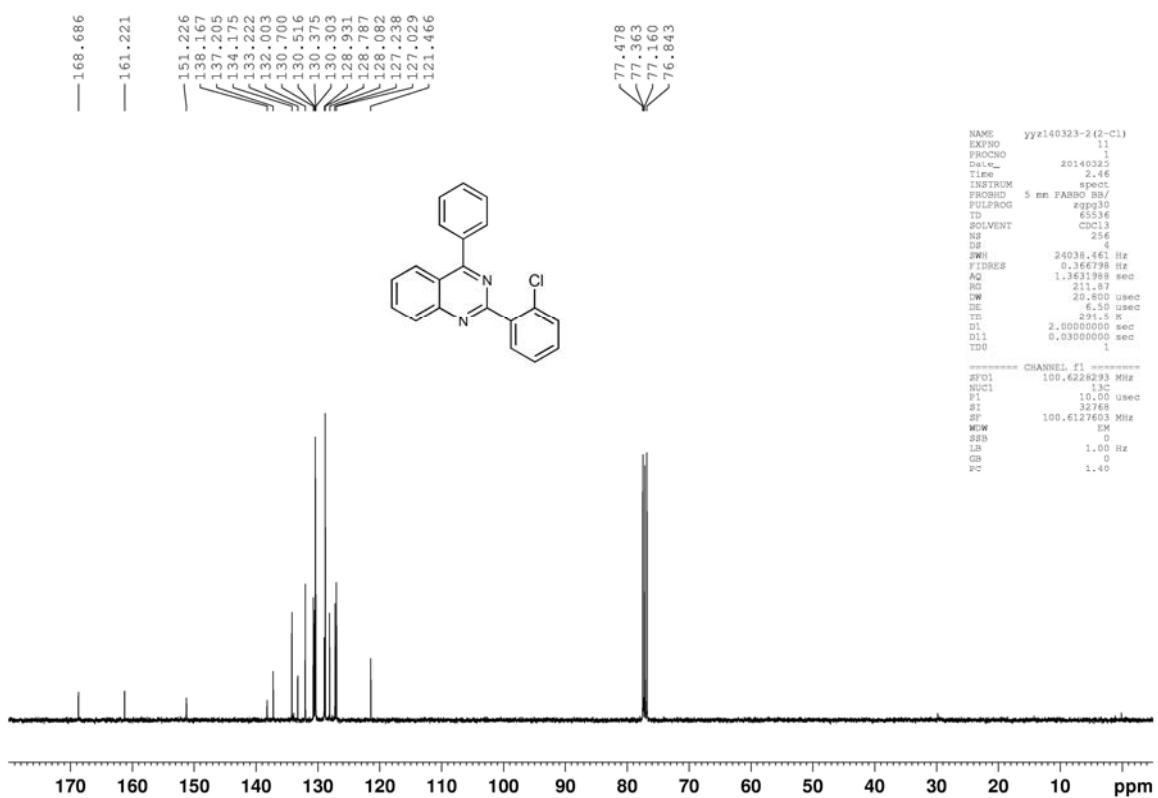


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PULPROG  PULPROG
TD       4096
SOLVENT  CDCl3
NS      16
SWH     8012.80 Hz
ETRIM    1
TDRES   4.096e+006
RG      75.98
TE      65.00
DE      4.50 usec
TEZ     2342.4 K
TEC     1.0000000000000001
TDD      1
TDO      1

***** CHANNEL f1 *****
SF01   400.1224710 MHz
NUC1   13
D1     10.00 usec
SI      65536
P1     400.130000111 MHz
NCW      0
SSS      0
LB      0.30 Hz
RD      1000000
PC      1.00

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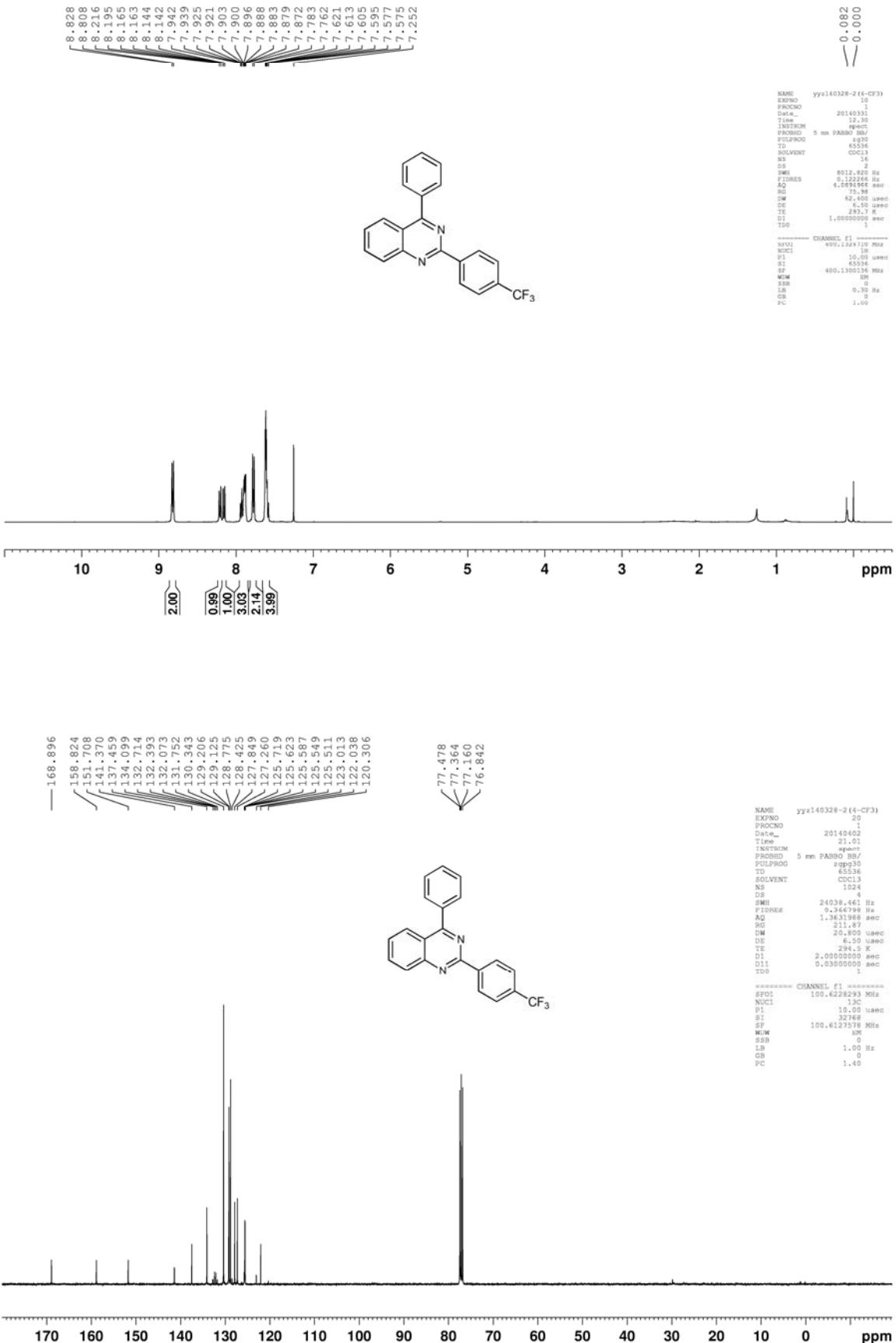
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TD      65536
SOLVENT  CDCl3
NS      256
SWH     24038.461 Hz
FIDRES  0.367979 Hz
AQ      1.35 sec
RG      211.87
TE      20.800 usec
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DD1     0.03000000 sec
TDZ      1

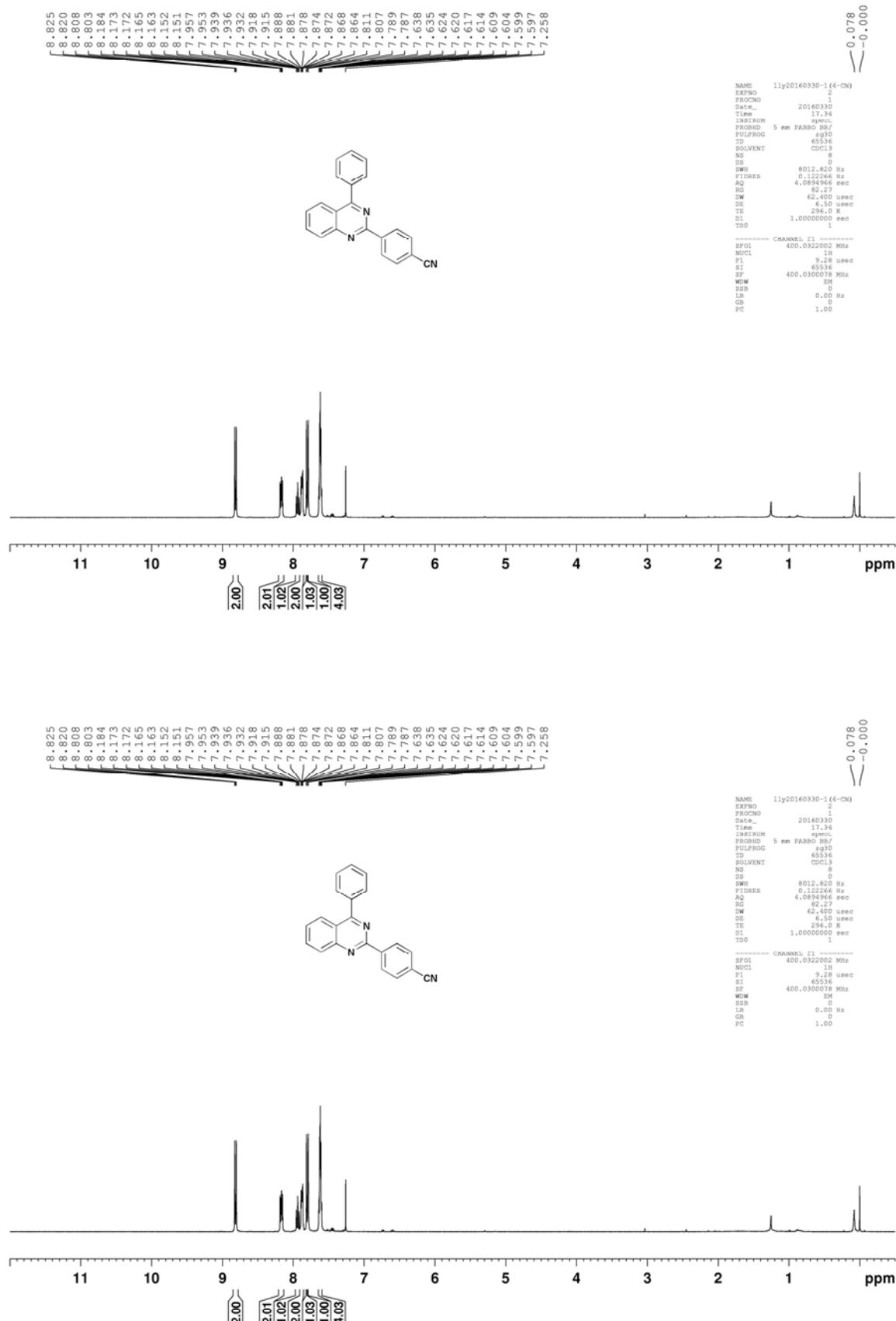
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MWDMR
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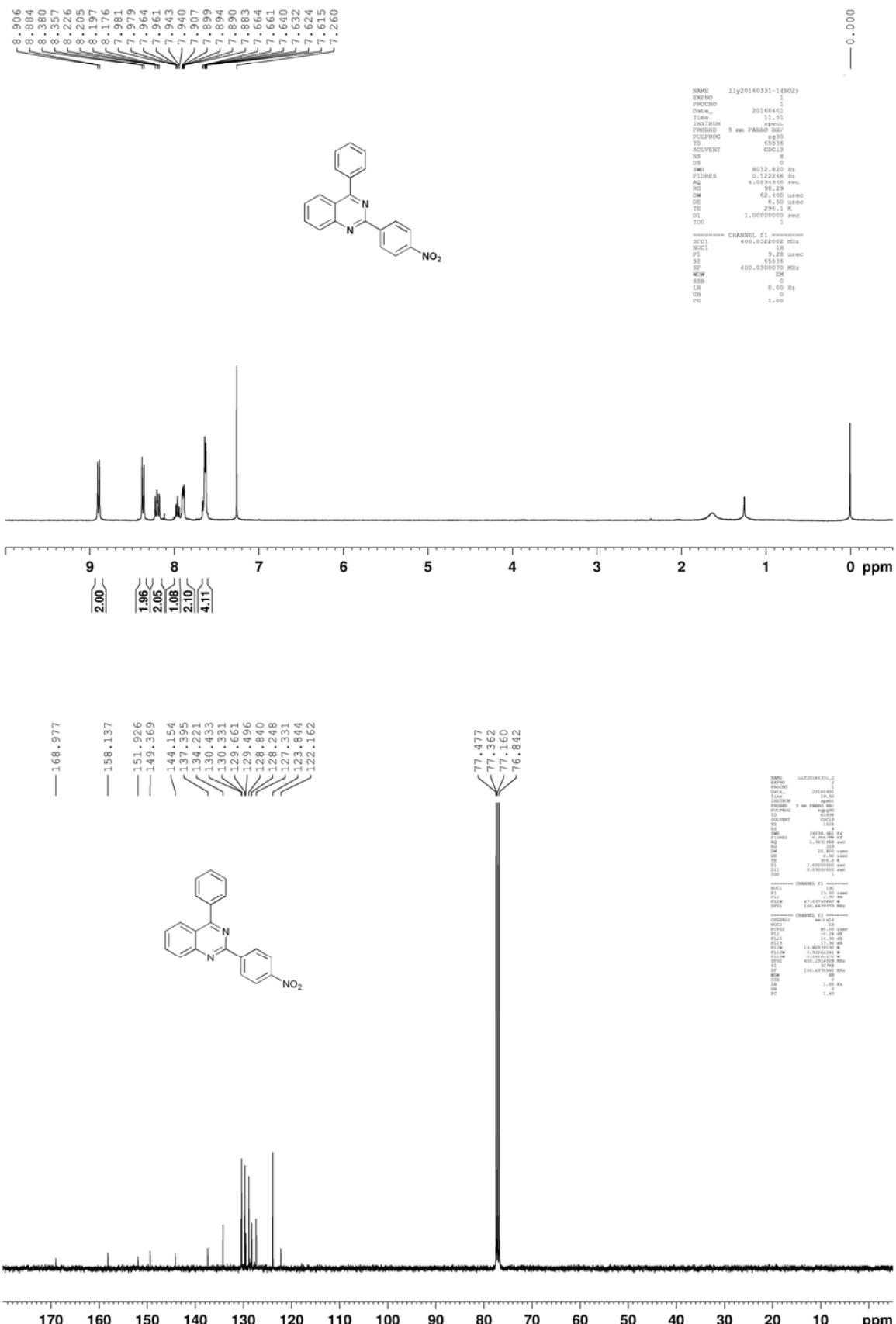
**4-phenyl-2-(4-(trifluoromethyl)phenyl)quinazoline (3ag)**



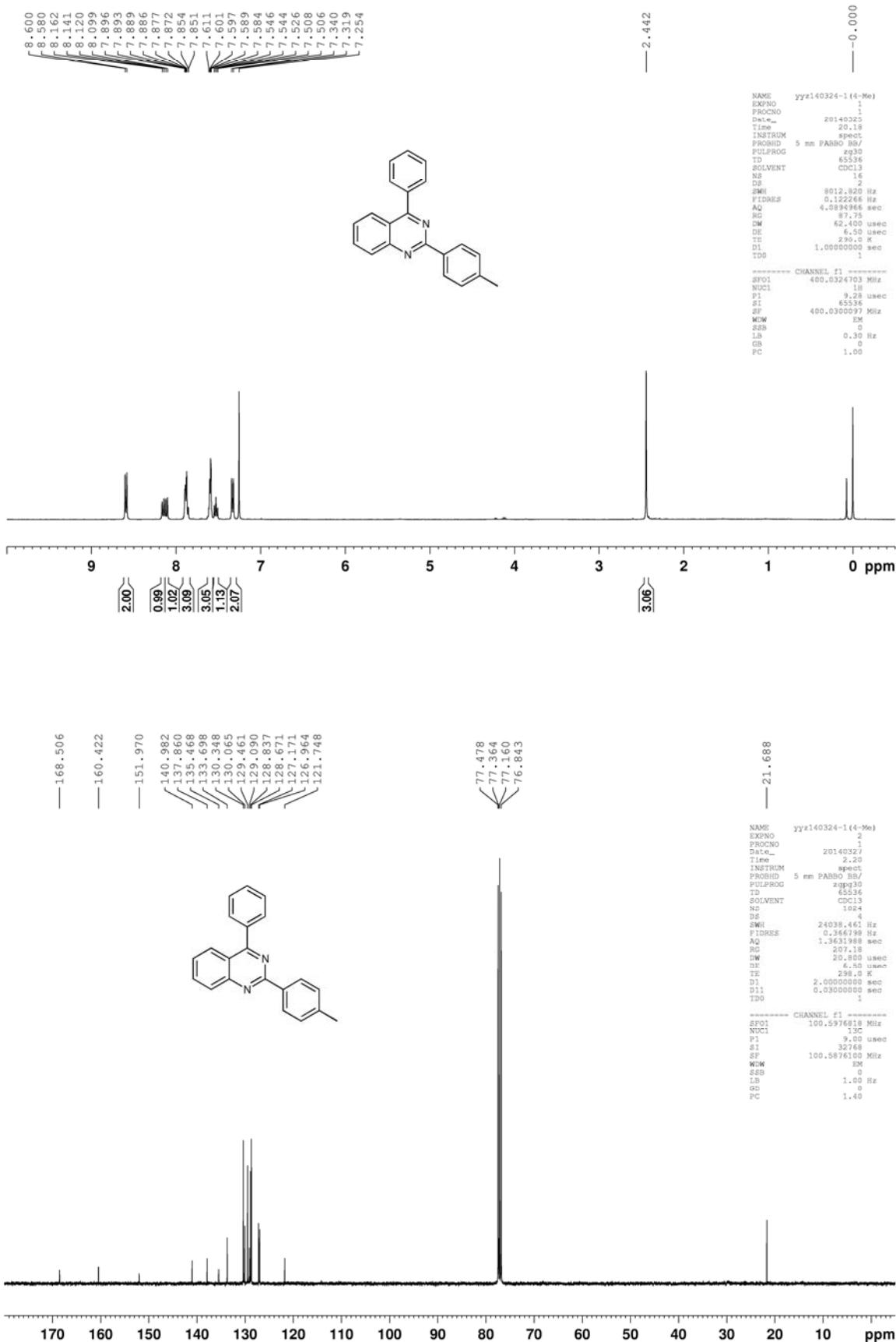
**4-(4-phenylquinazolin-2-yl)benzonitrile (3ah)**



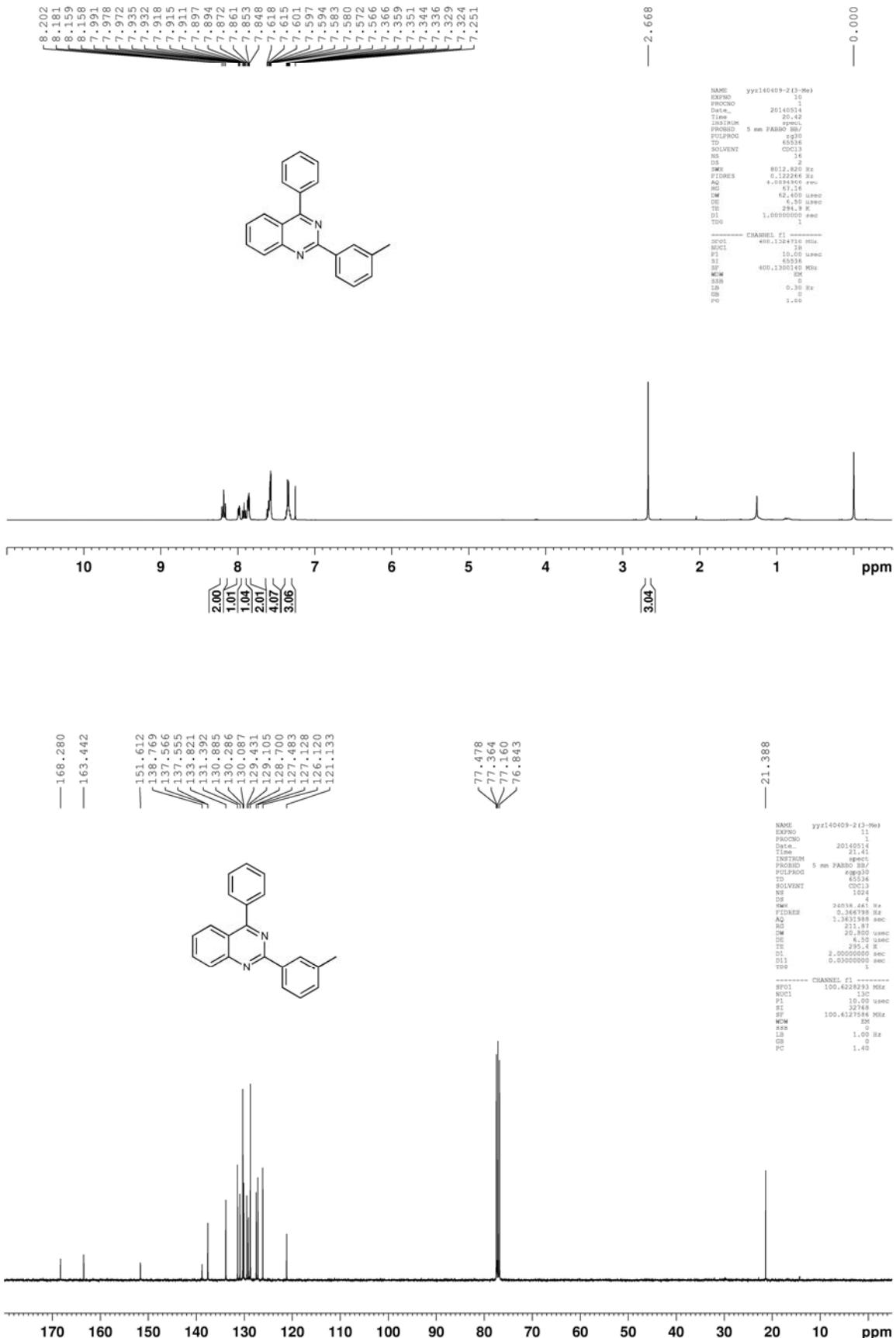
**2-(4-nitrophenyl)-4-phenylquinazoline (3ai)**



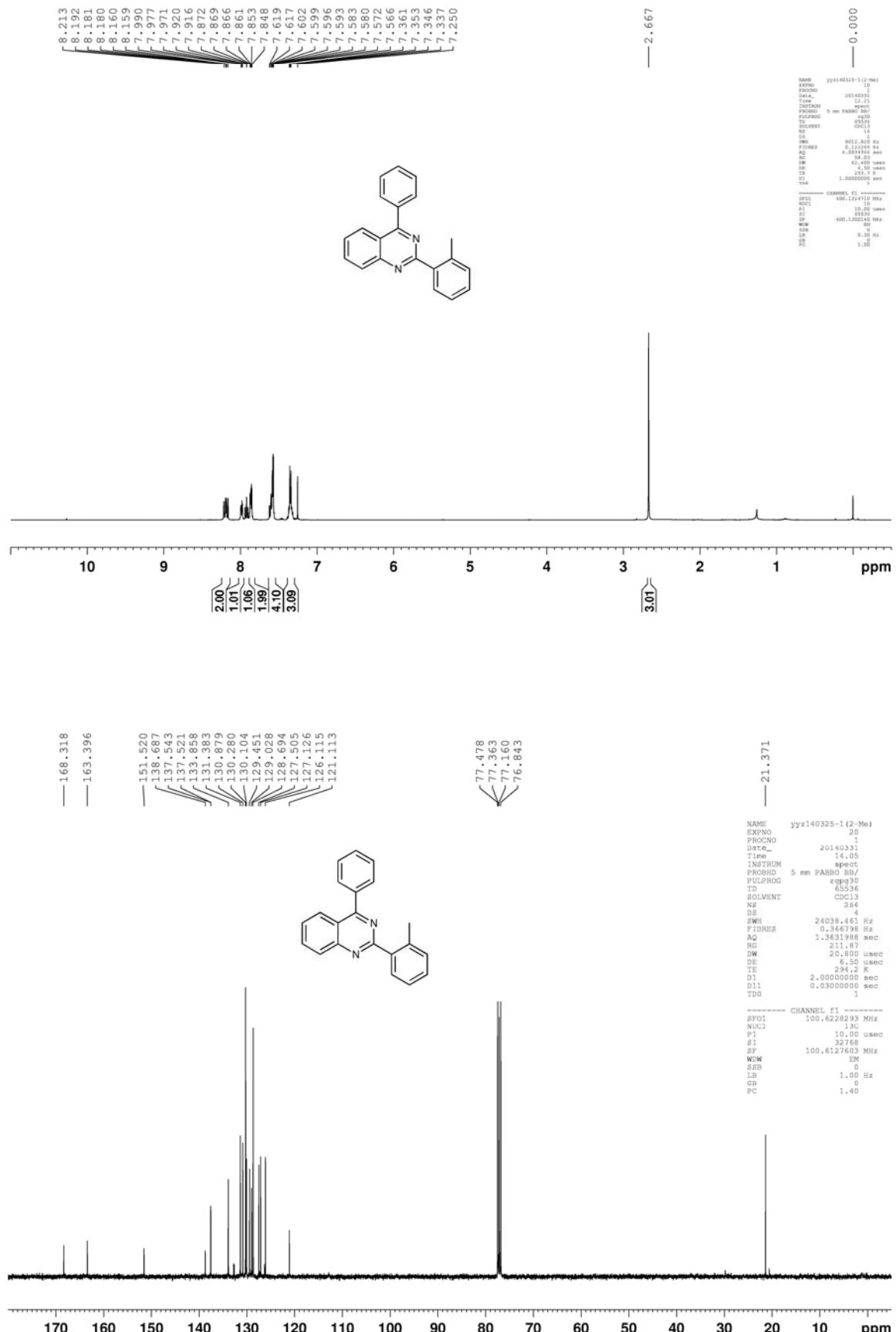
**4-phenyl-2-(*p*-tolyl)quinazoline (3aj)**



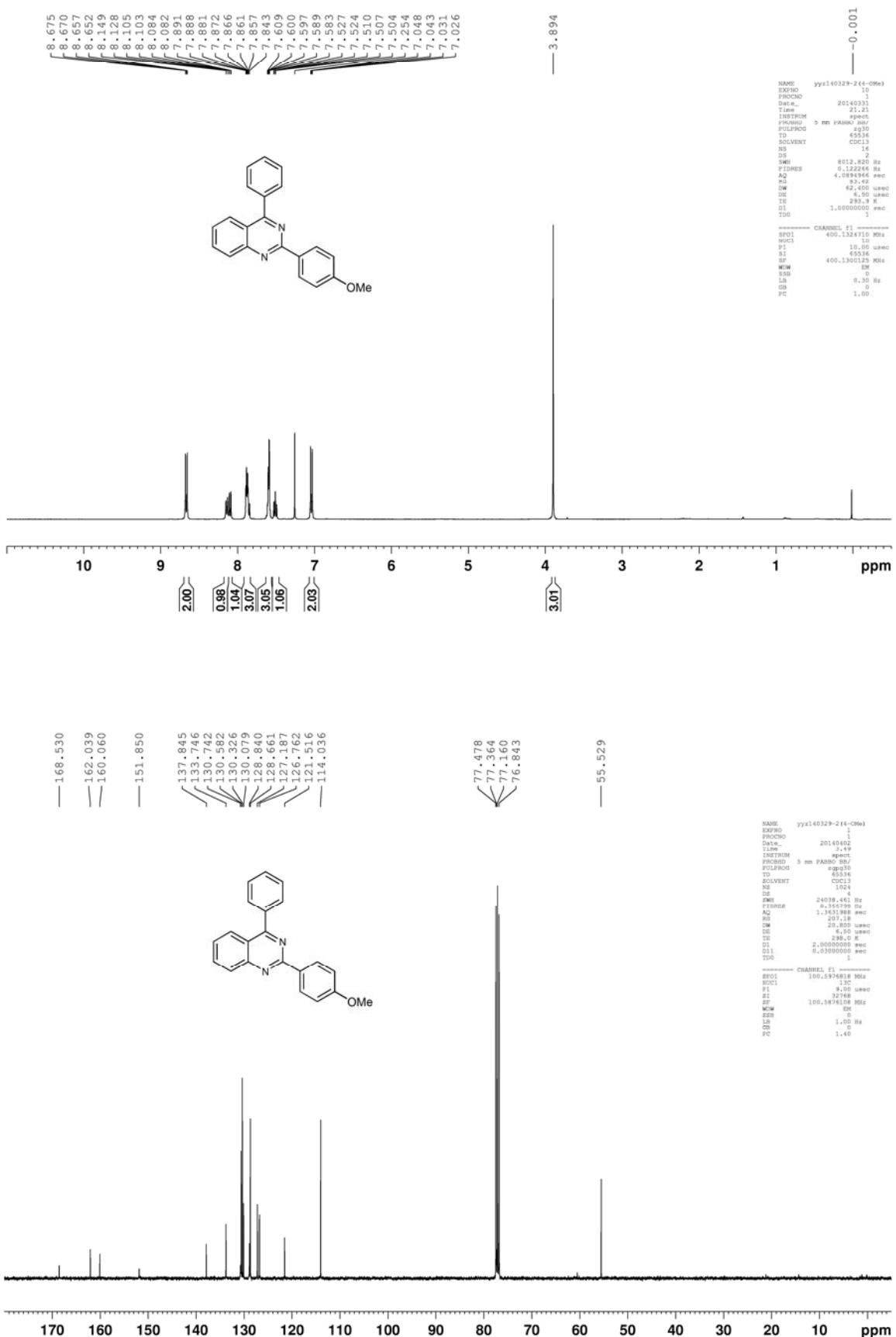
**4-phenyl-2-(*m*-tolyl)quinazoline (3ak)**



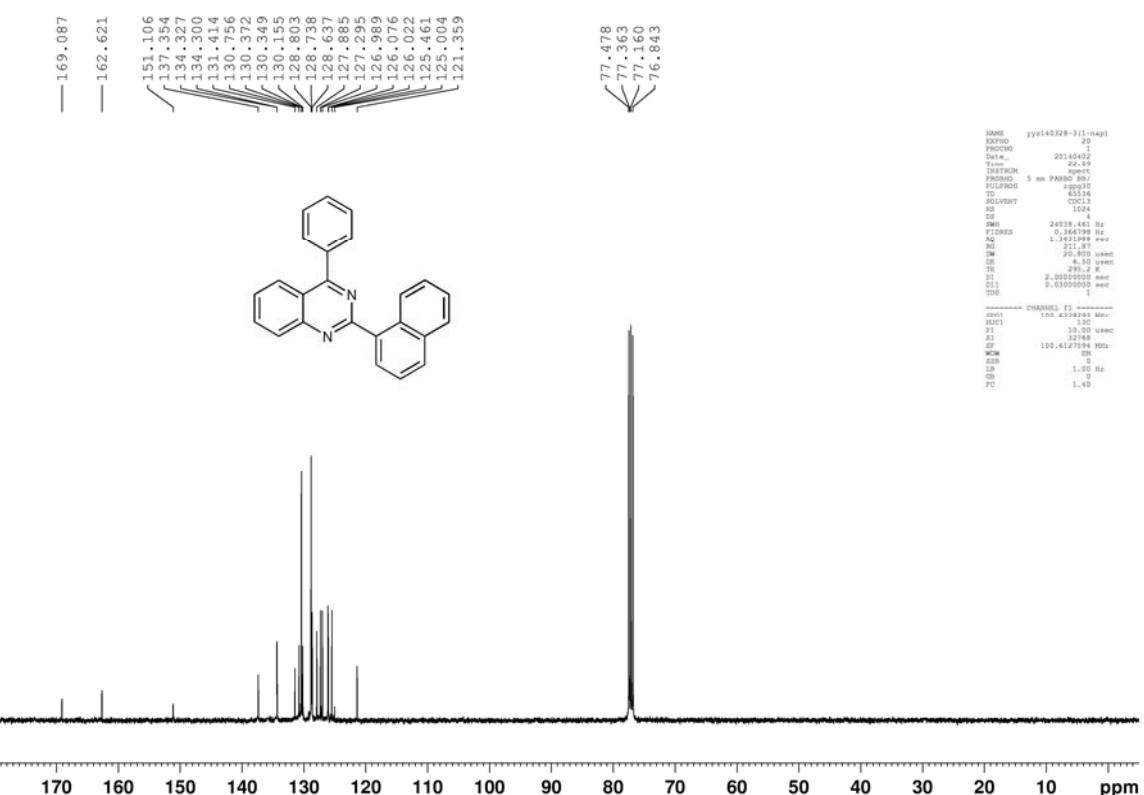
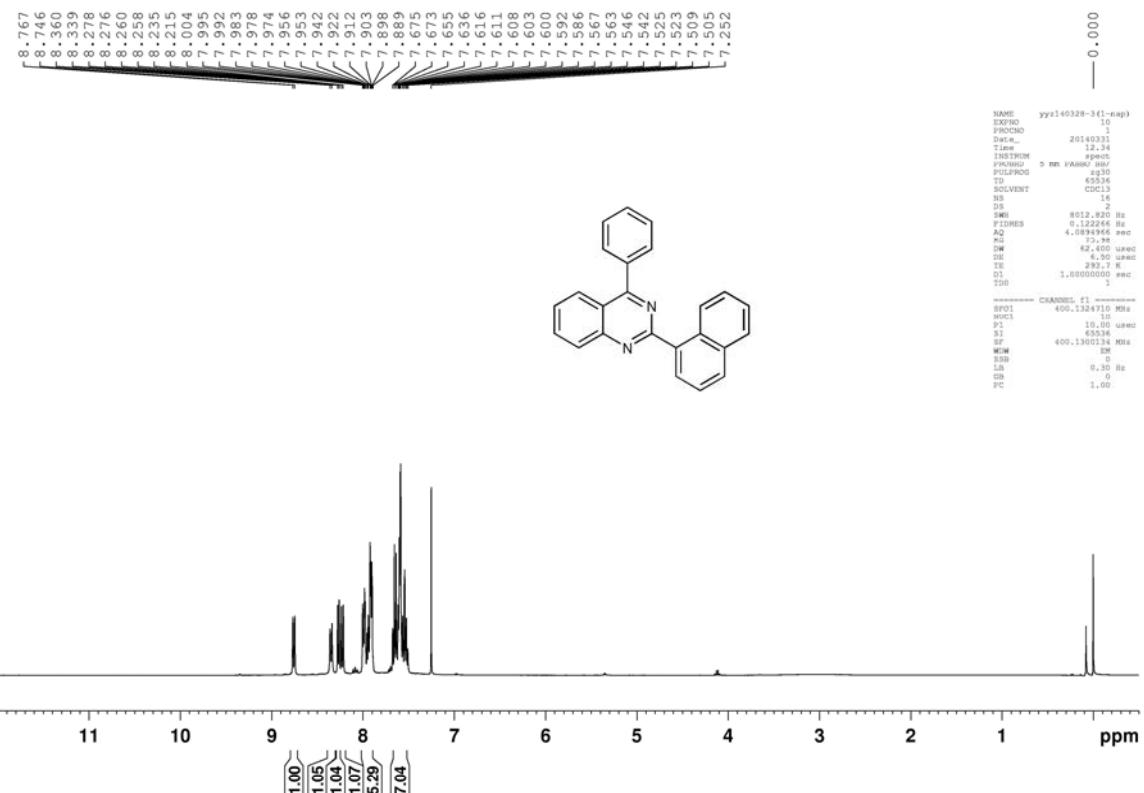
**4-phenyl-2-(*o*-tolyl)quinazoline (3al)**



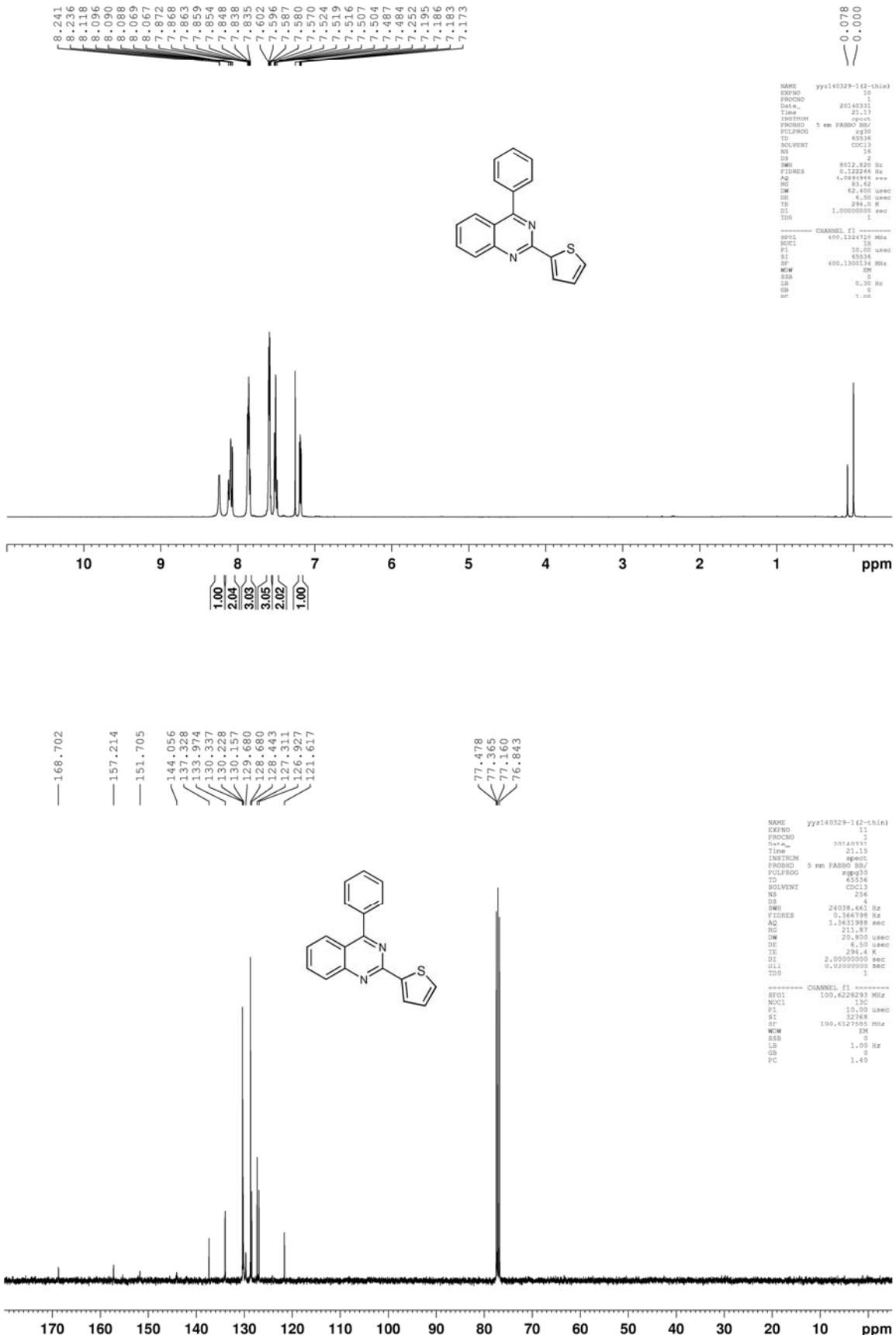
**2-(4-methoxyphenyl)-4-phenylquinazoline (3am)**



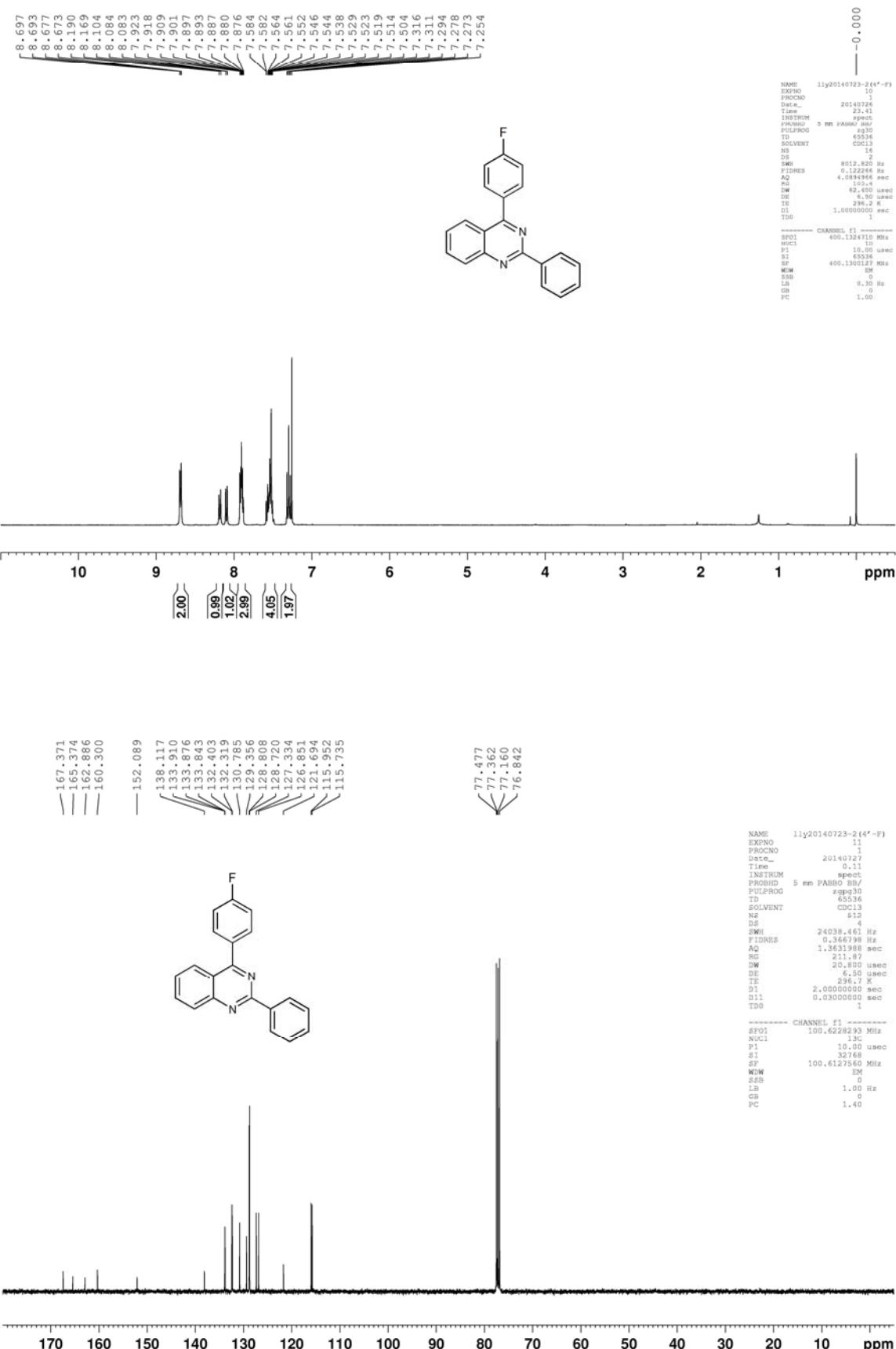
**2-(naphthalen-1-yl)-4-phenylquinazoline (3an)**



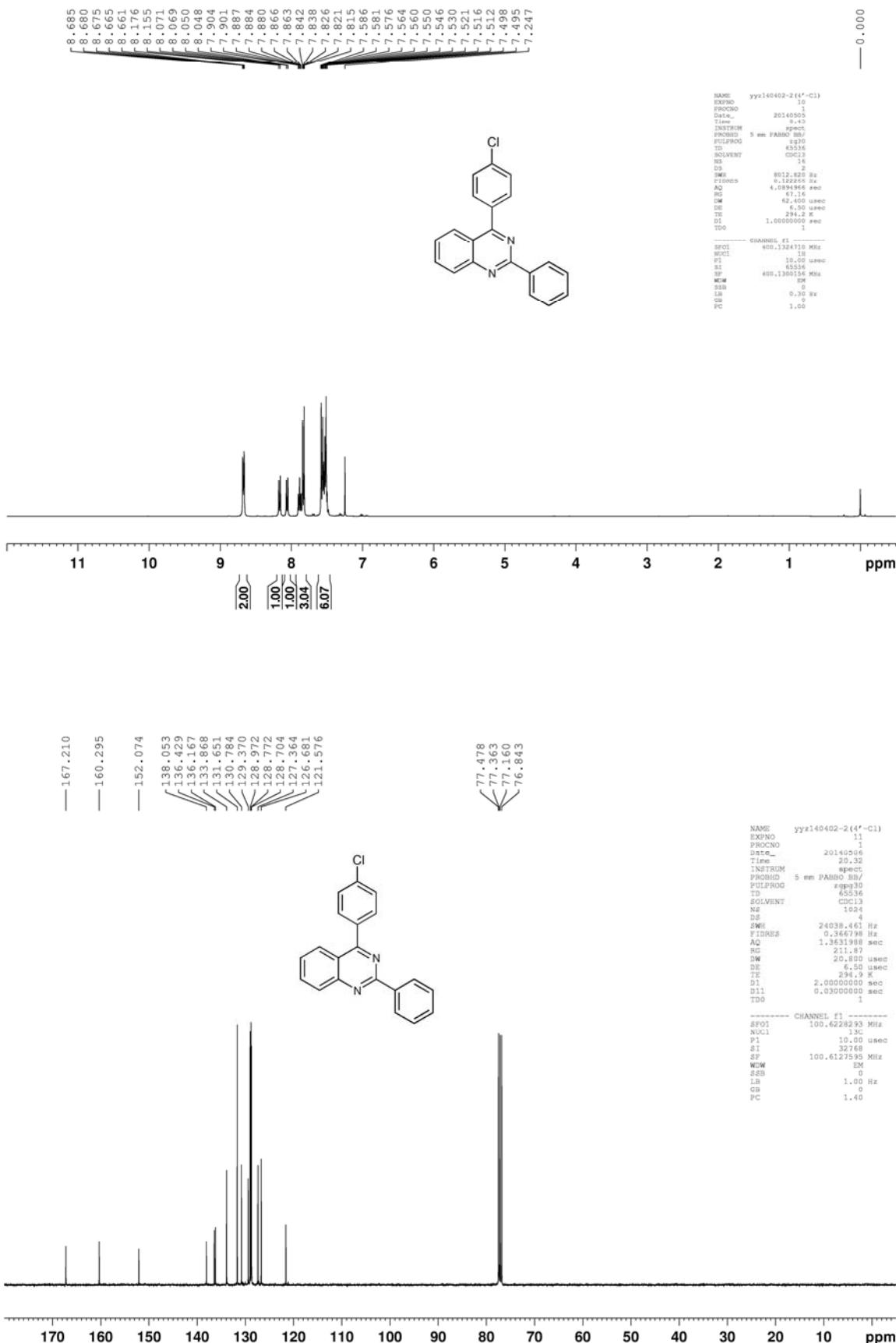
**4-phenyl-2-(thiophen-2-yl)quinazoline (3ao)**



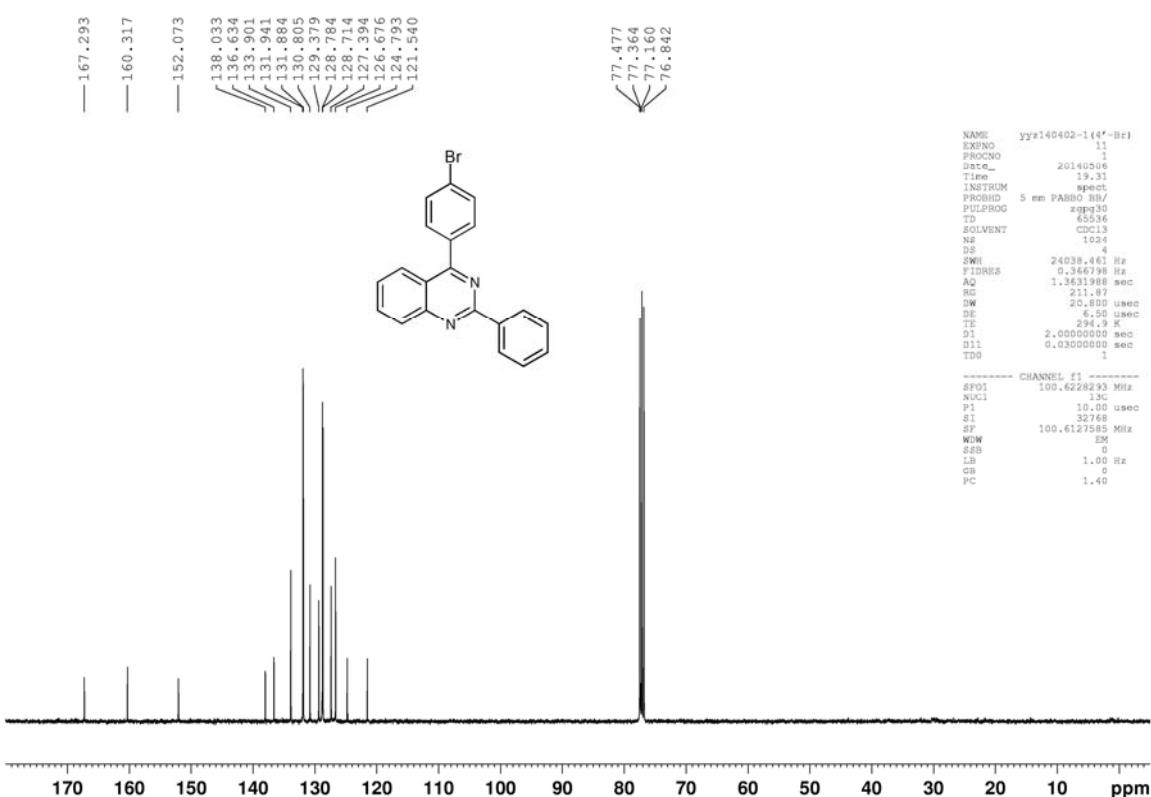
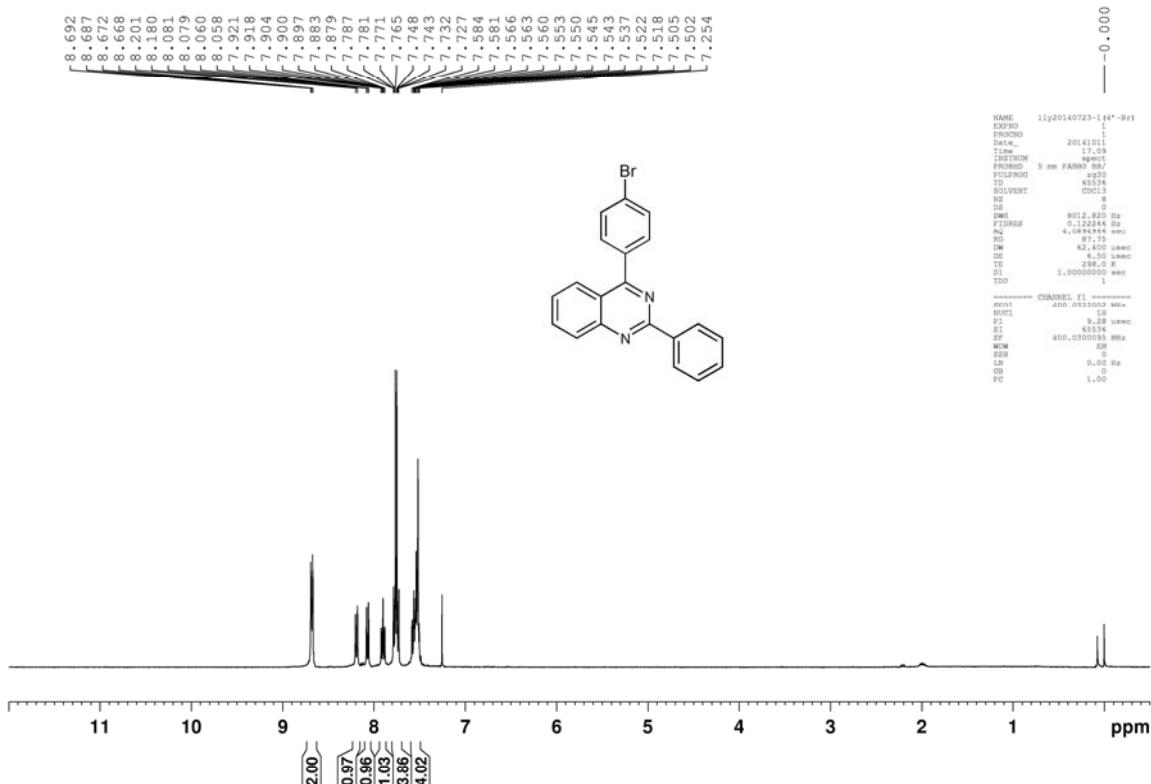
**4-(4-fluorophenyl)-2-phenylquinazoline (3bb)**



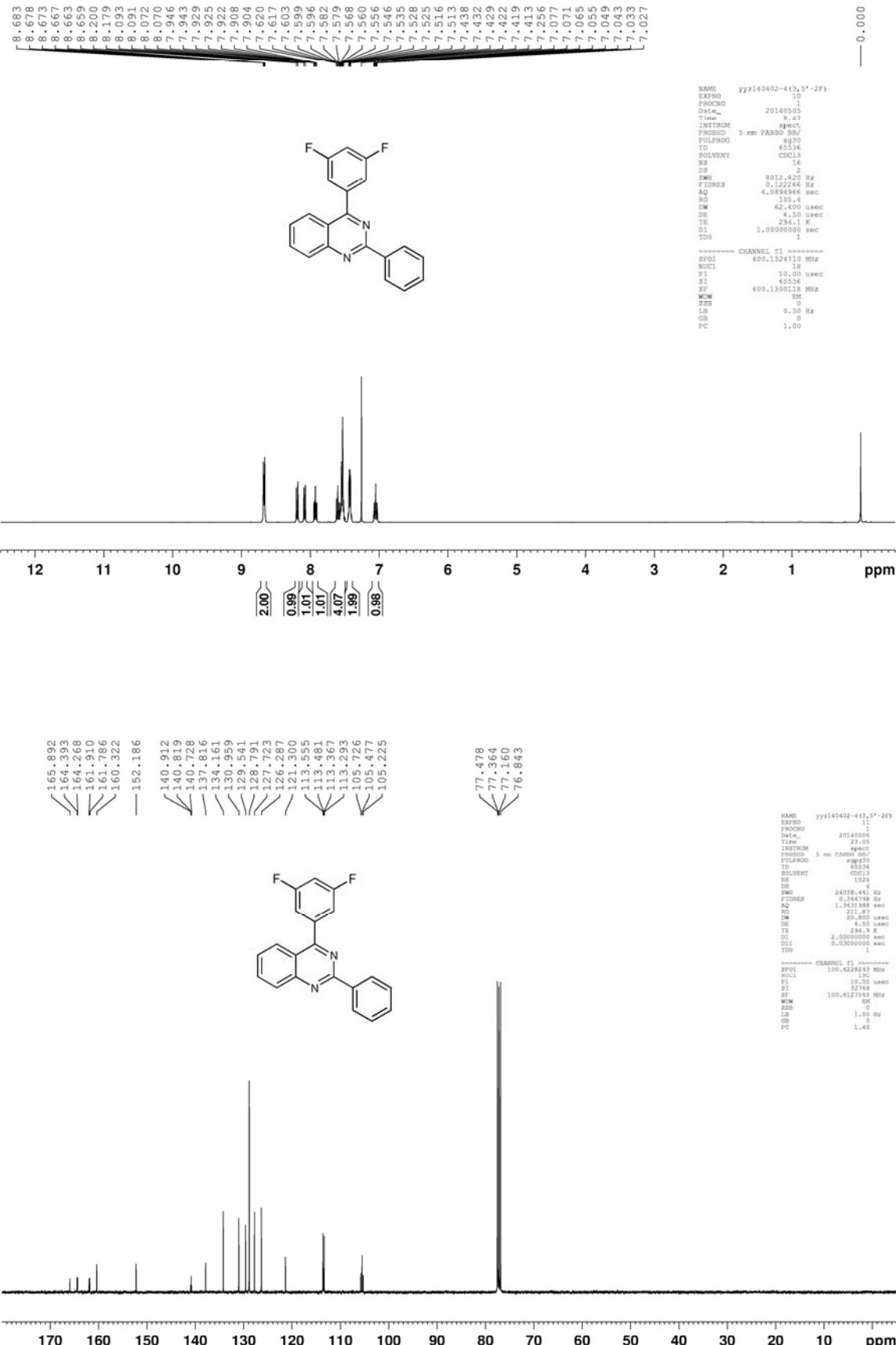
**4-(4-chlorophenyl)-2-phenylquinazoline (3cb)**



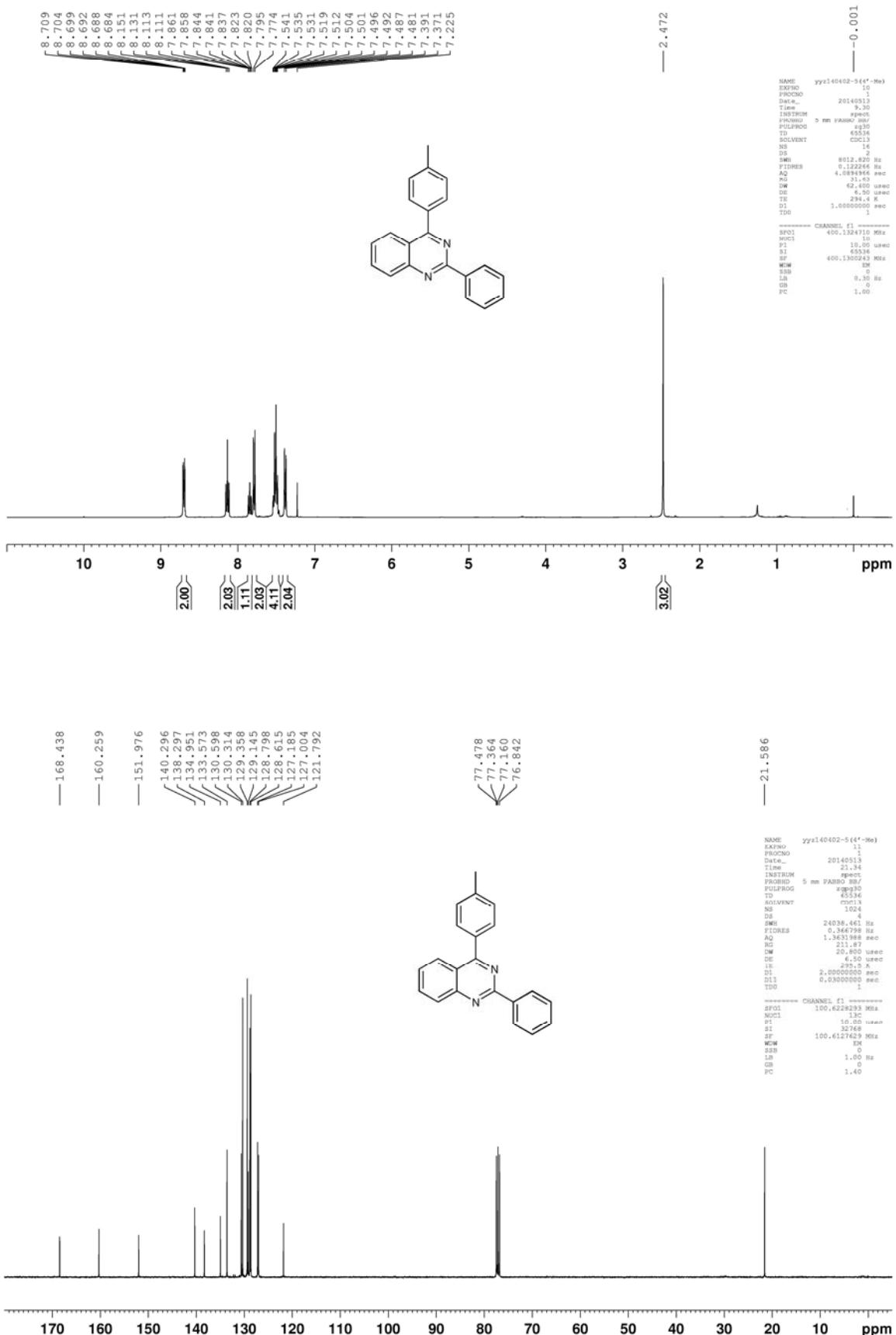
### **4-(4-bromophenyl)-2-phenylquinazoline (3db)**



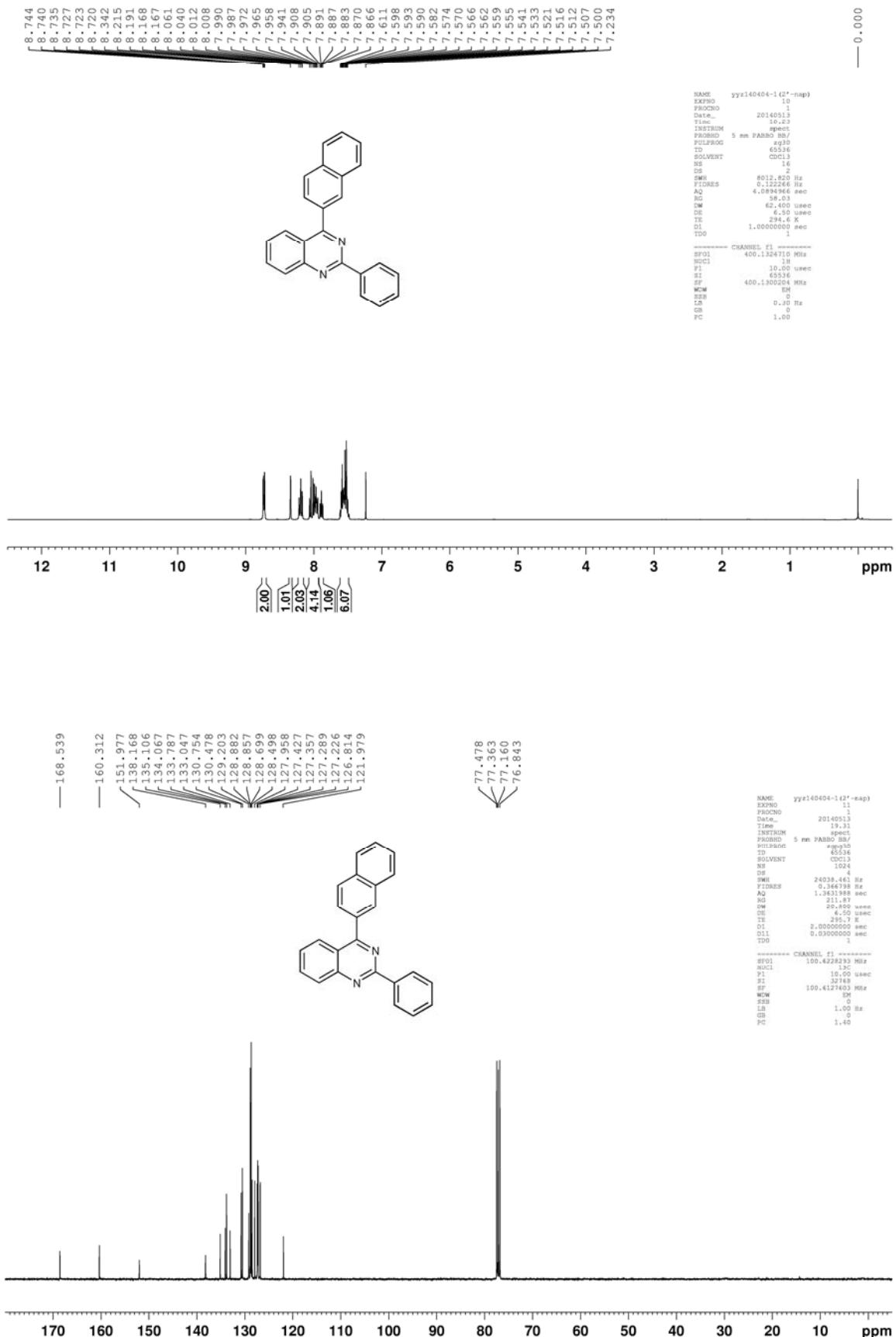
**4-(3,5-difluorophenyl)-2-phenylquinazoline (3eb)**



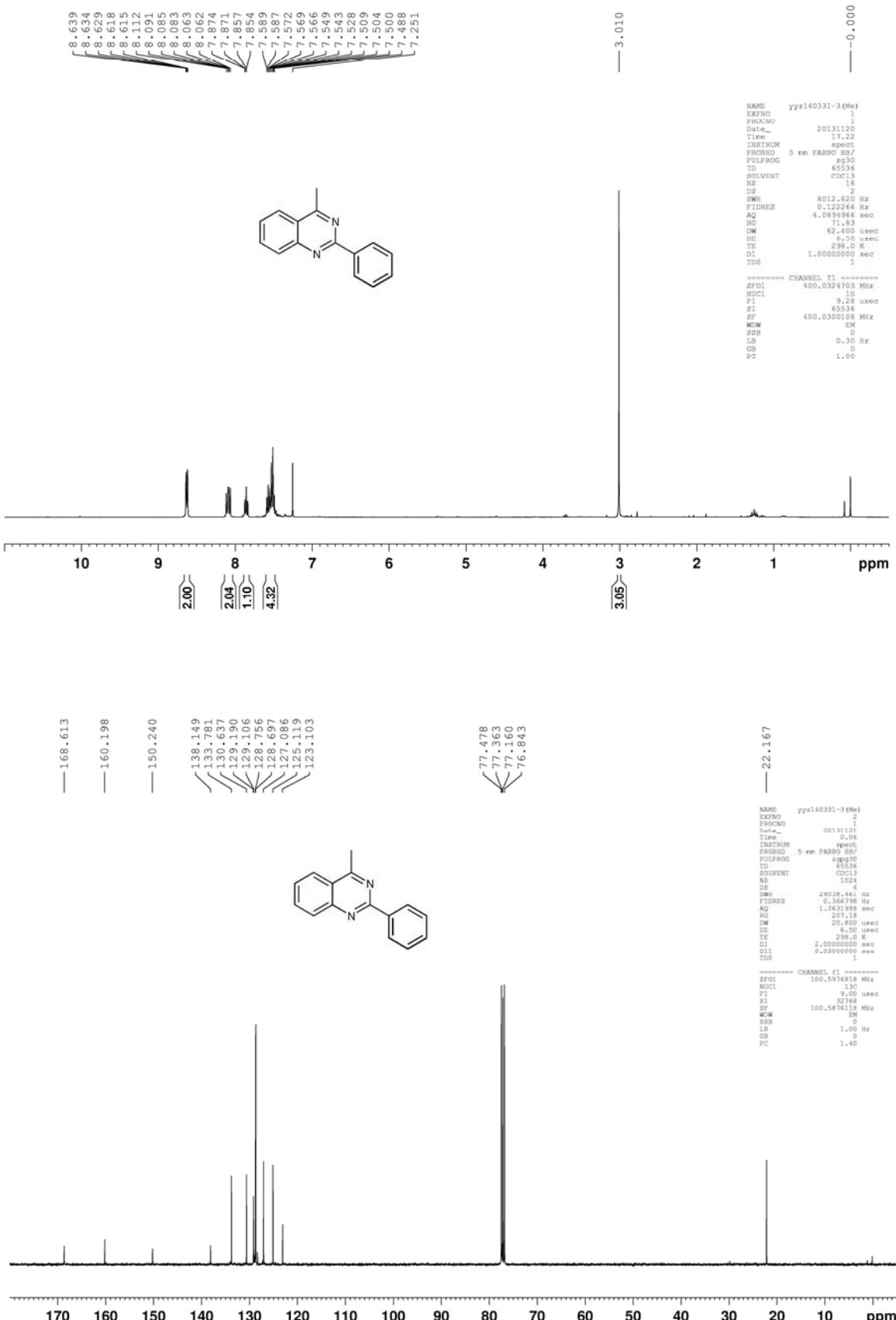
**2-phenyl-4-(p-tolyl)quinazoline (3fb)**



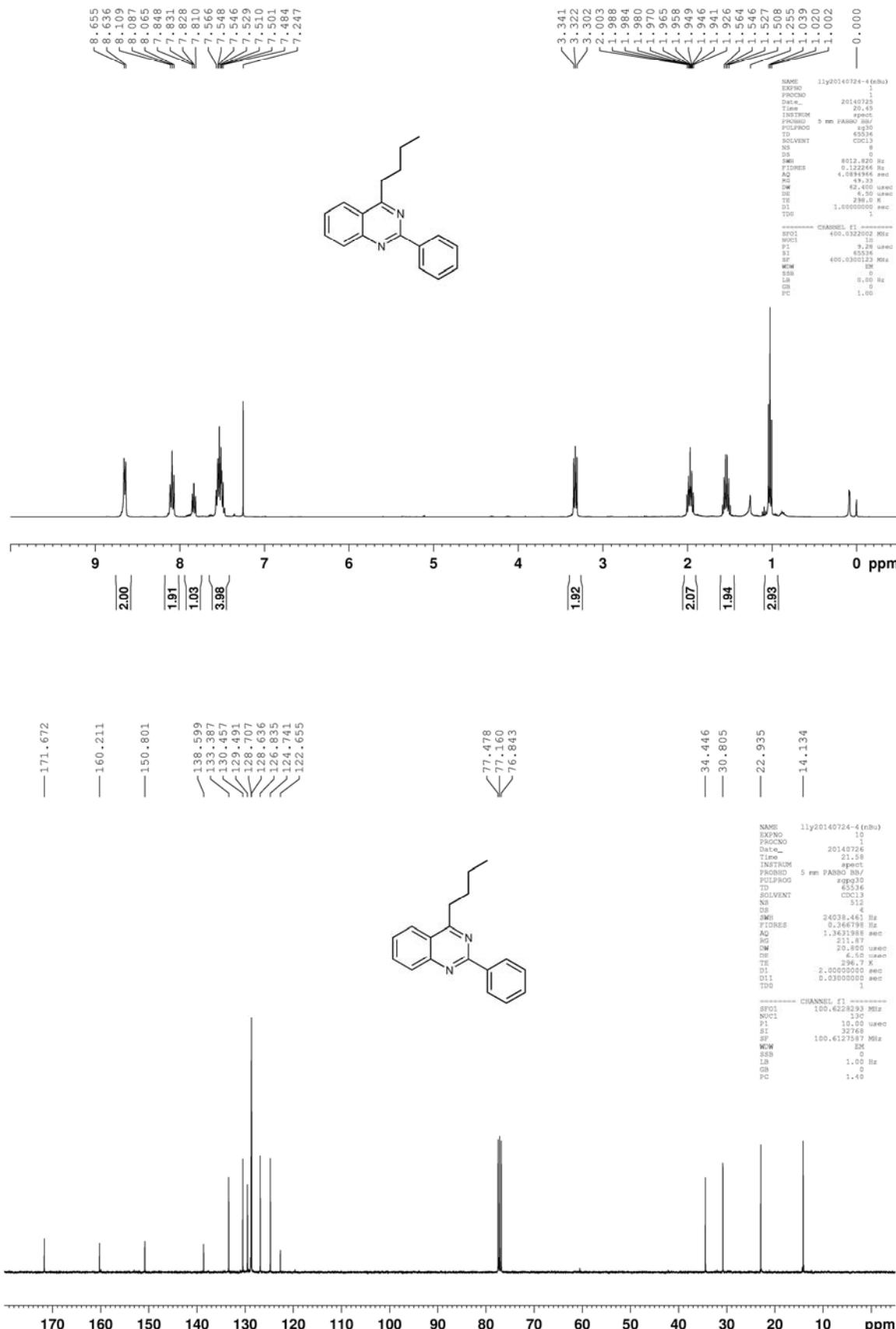
#### **4-(naphthalen-2-yl)-2-phenylquinazoline (3gb)**



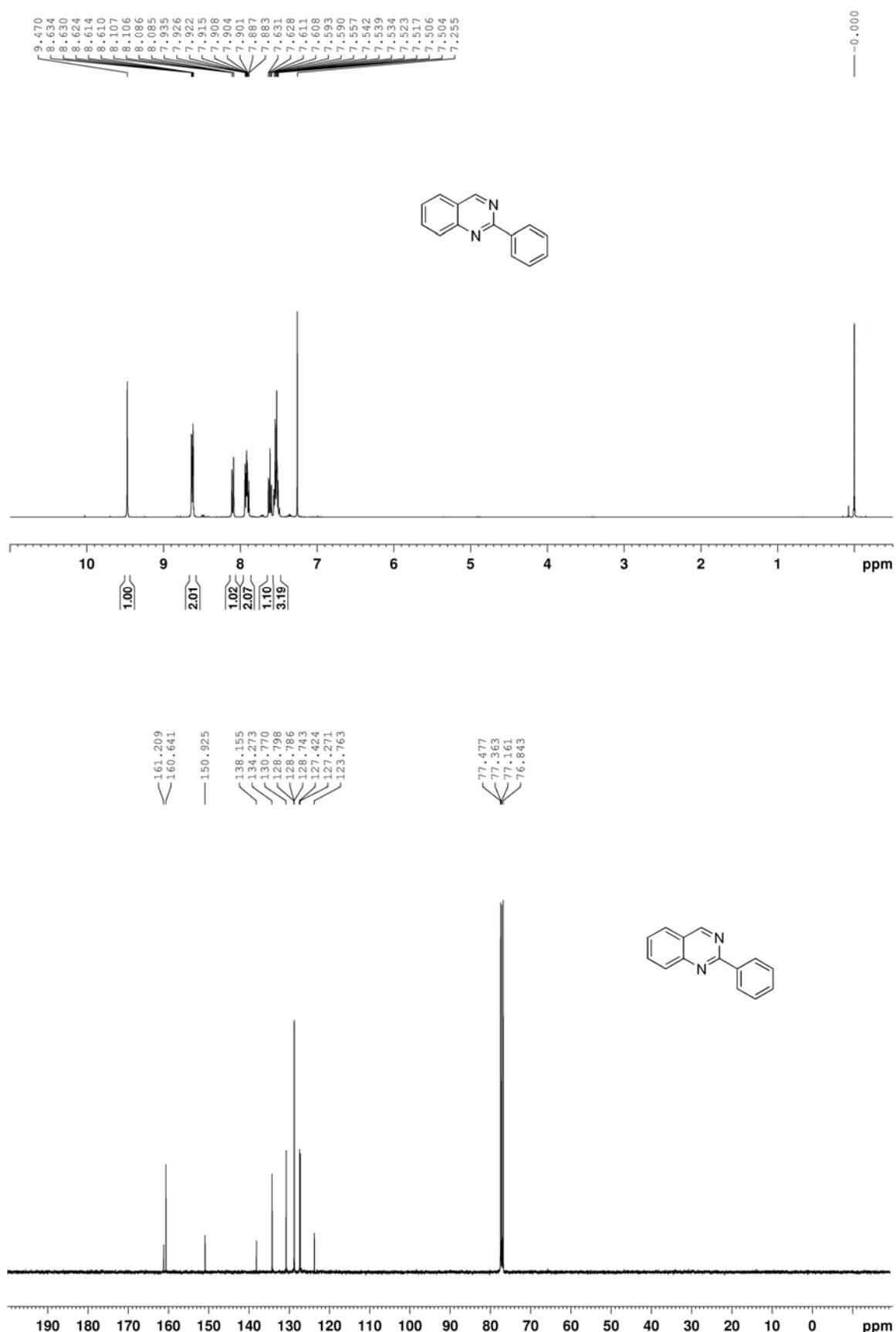
**4-methyl-2-phenylquinazoline (3hb)**



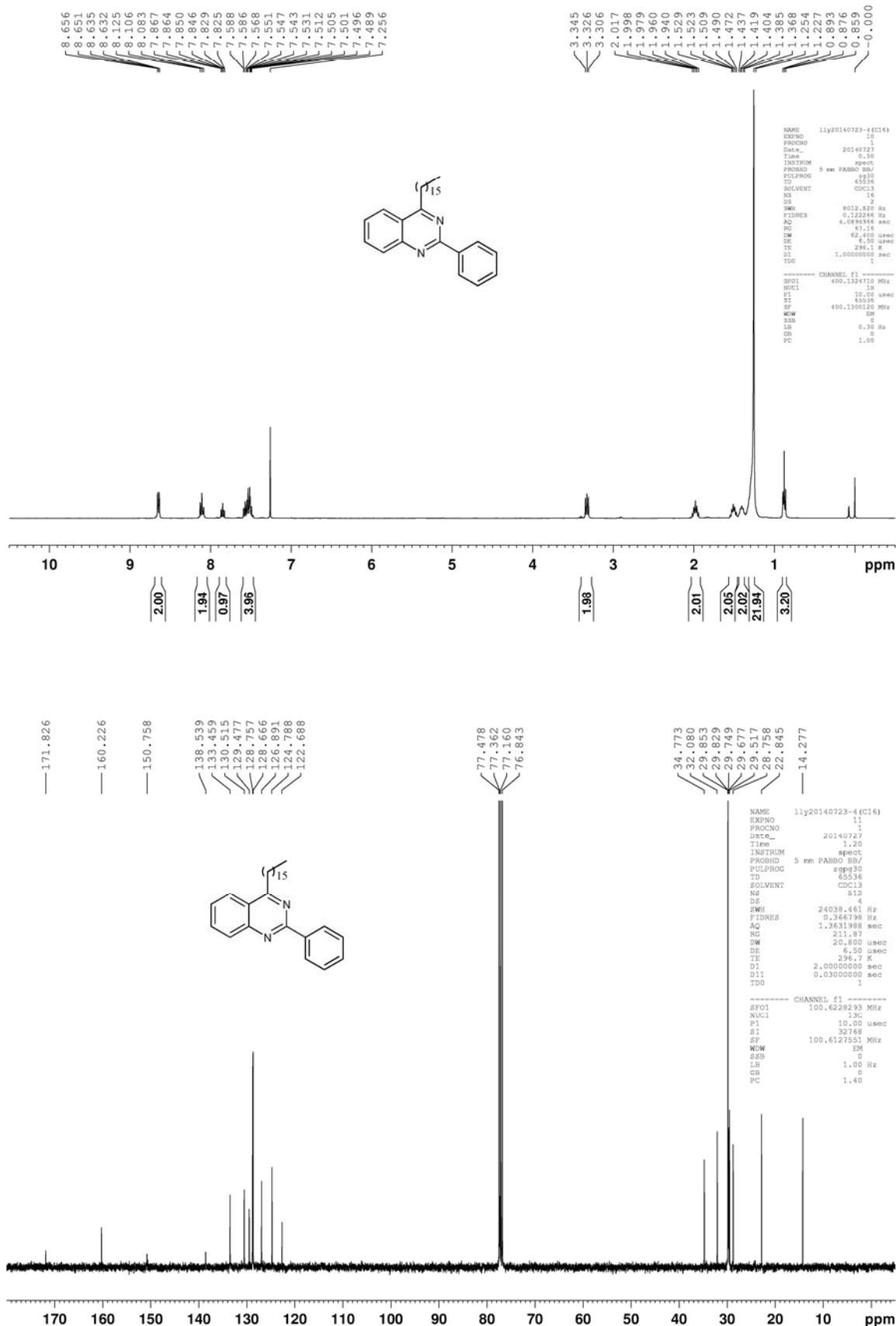
**4-butyl-2-phenylquinazoline (3ib)**



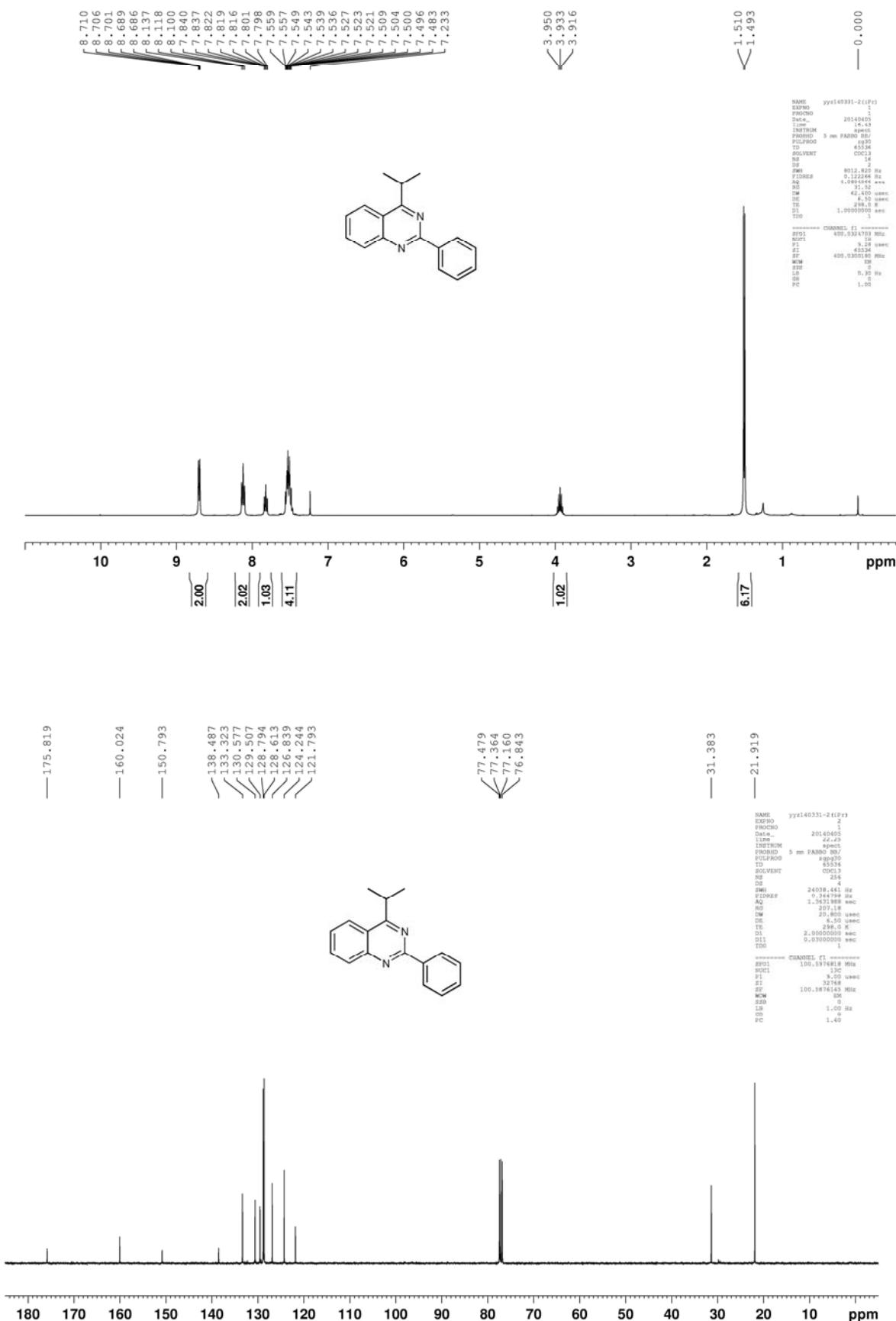
**2-phenylquinazoline (3ib' or 3jb')**



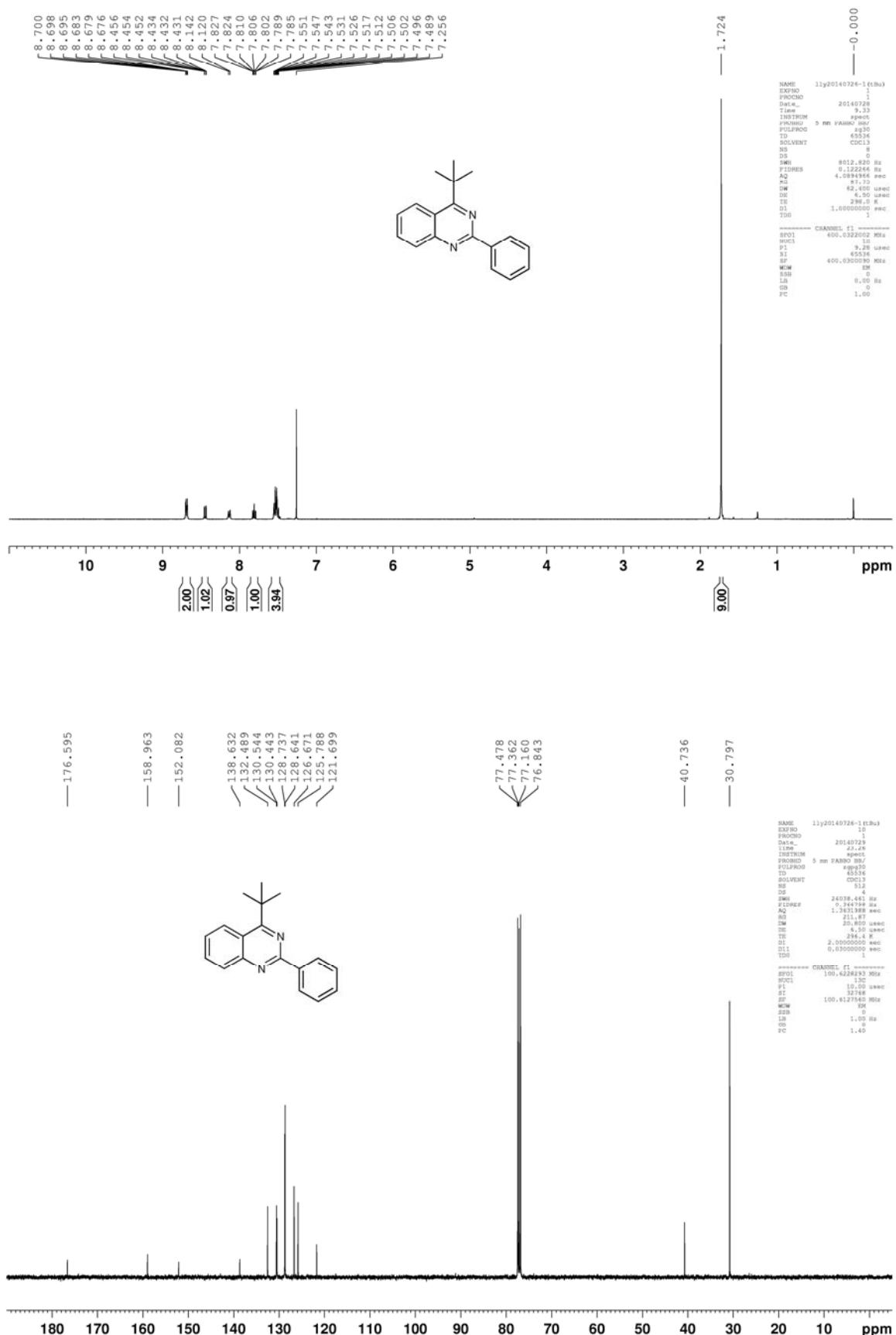
**4-hexadecyl-2-phenylquinazoline (3jb)**



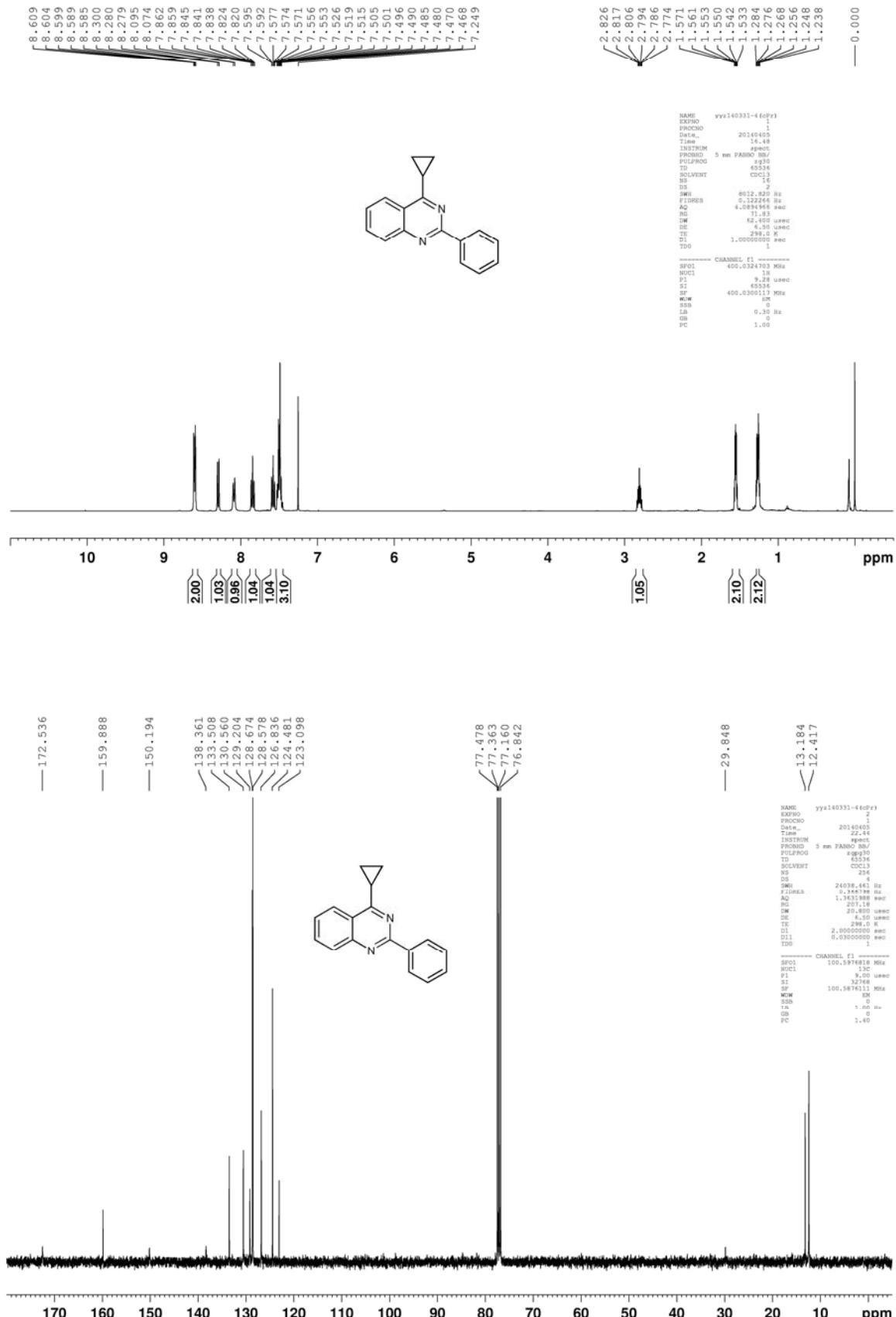
#### **4-isopropyl-2-phenylquinazoline (3kb)**



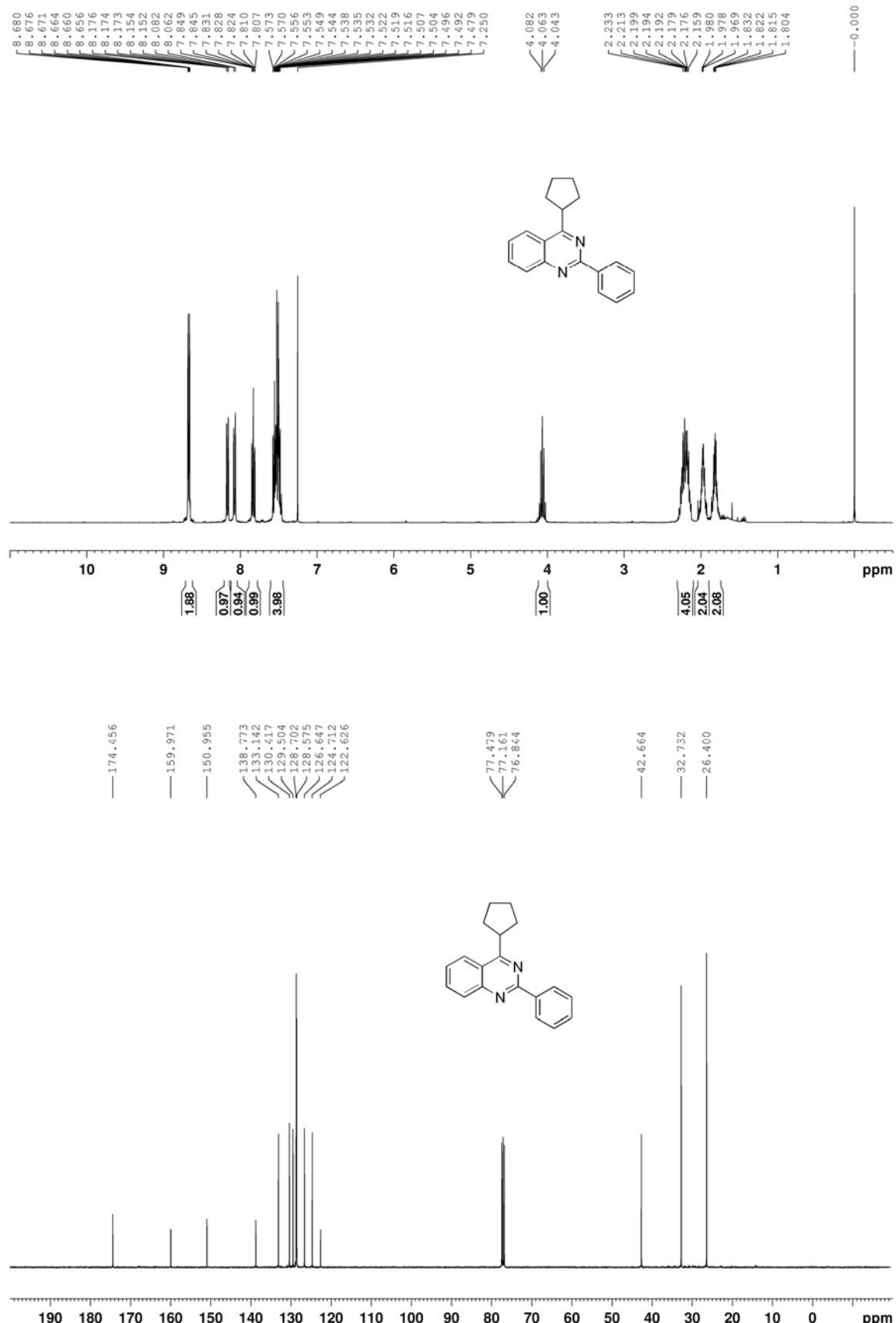
**4-(*tert*-butyl)-2-phenylquinazoline (3lb)**



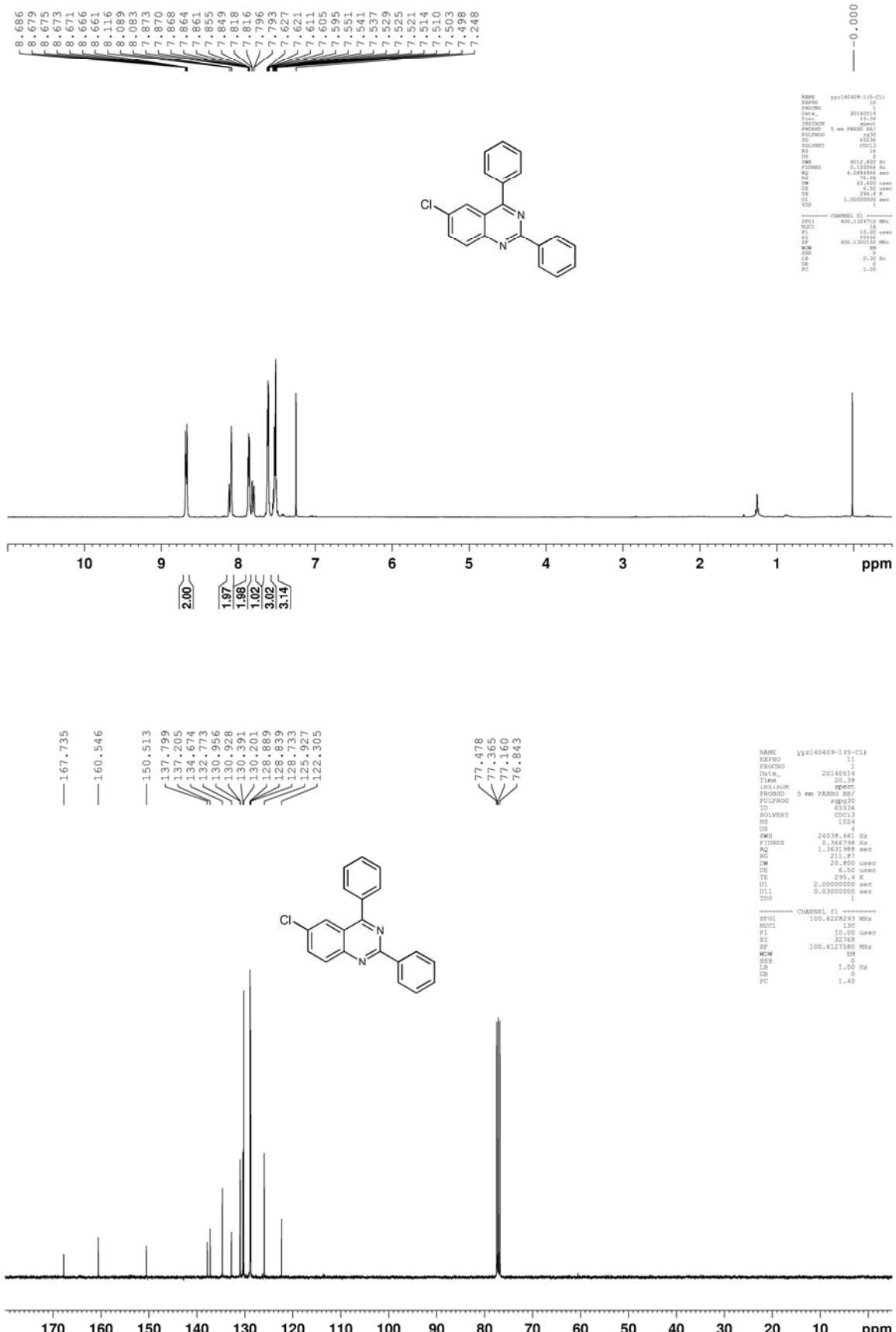
**4-cyclopropyl-2-phenylquinazoline (3mb)**



**4-cyclopentyl-2-phenylquinazoline (3nb)**



### **6-chloro-2,4-diphenylquinazoline (3ob)**



**6-nitro-2,4-diphenylquinazoline (3pb)**

