

Supplementary Material

Synthesis of novel pyrazolo[3,4-*b*]pyridine derivatives in aqueous medium

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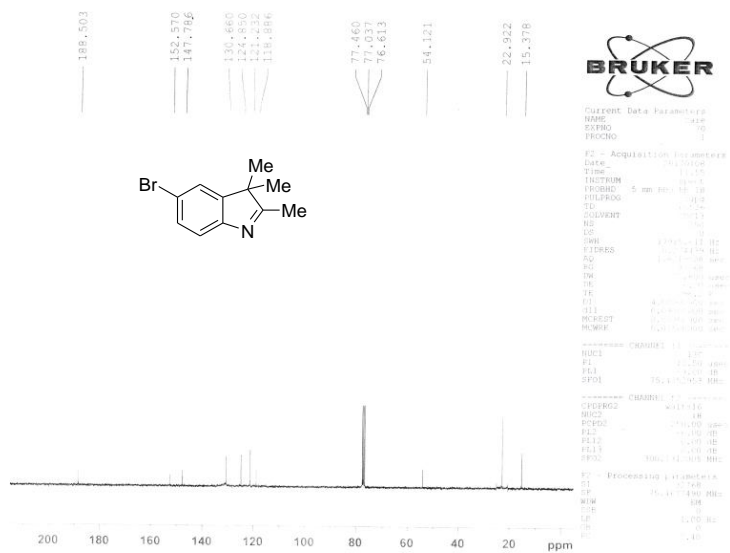
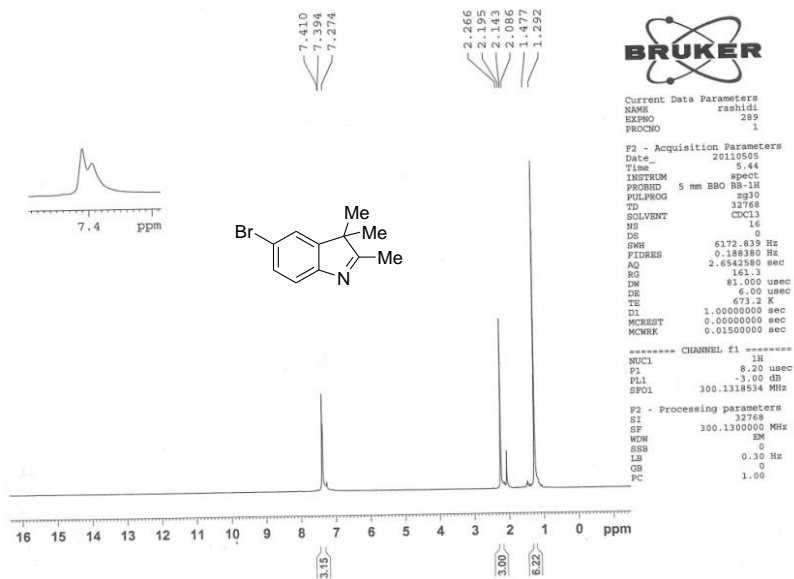
^b*Saba College of Higher Education, Urmia 57166-53847, Iran*

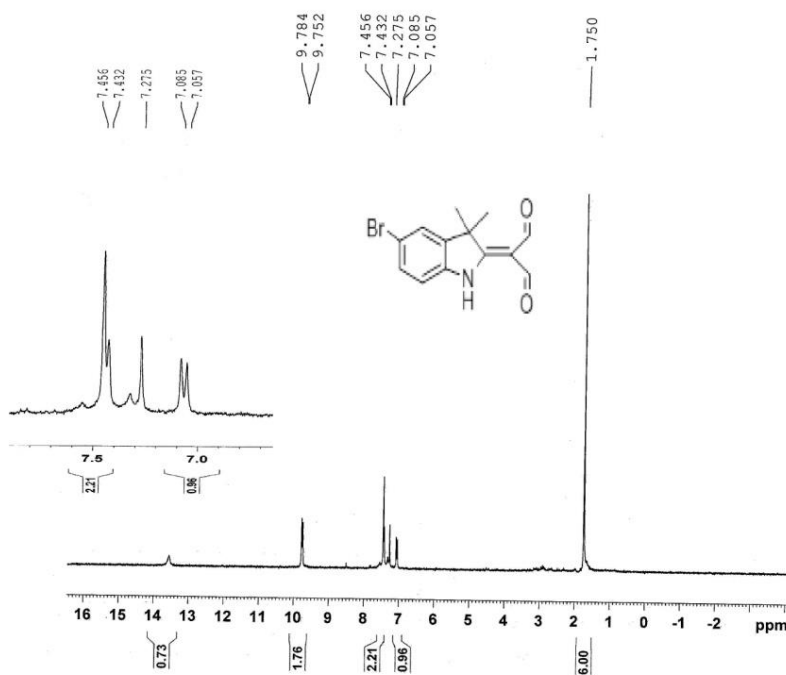
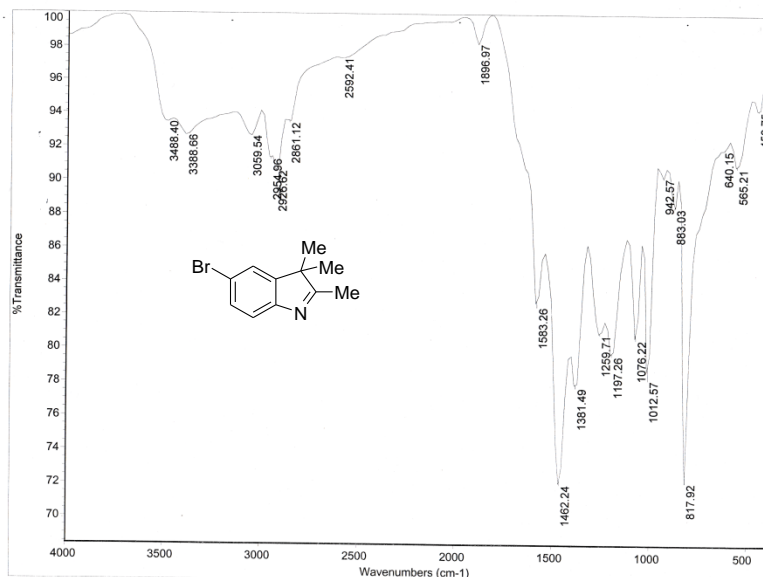
^c*The School of Chemistry, The University of Manchester, M13 9PL, UK*

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Table of Contents

- | | |
|---|----|
| 1. ¹ H NMR and ¹³ C NMR spectra of all the products | S2 |
|---|----|



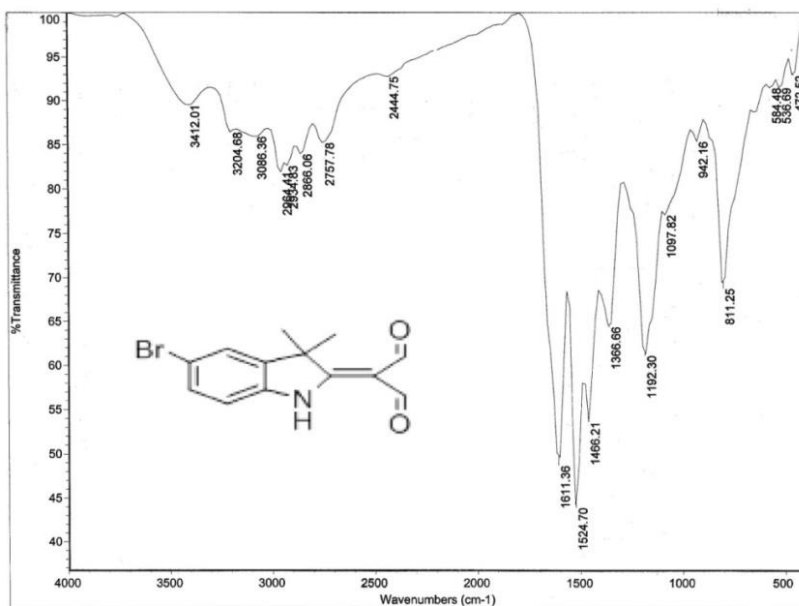
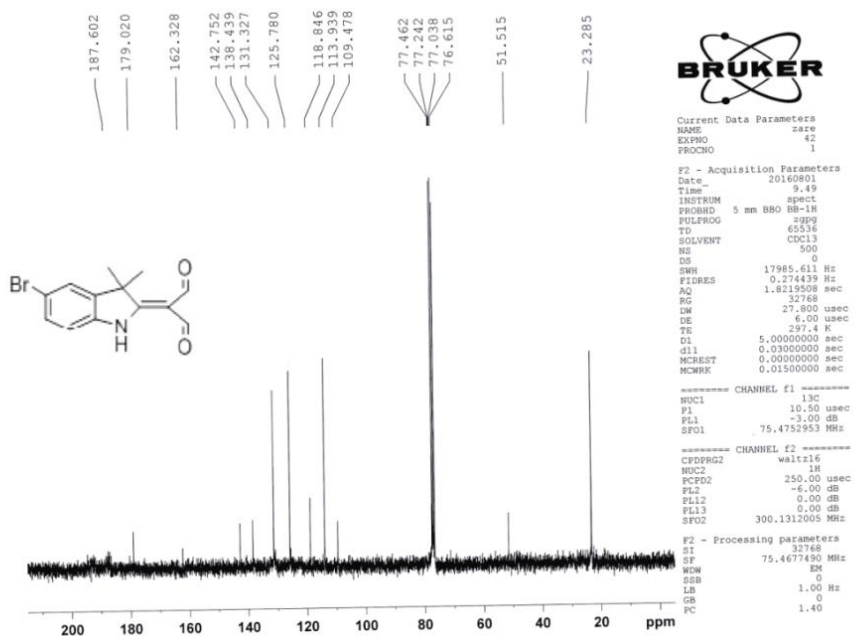


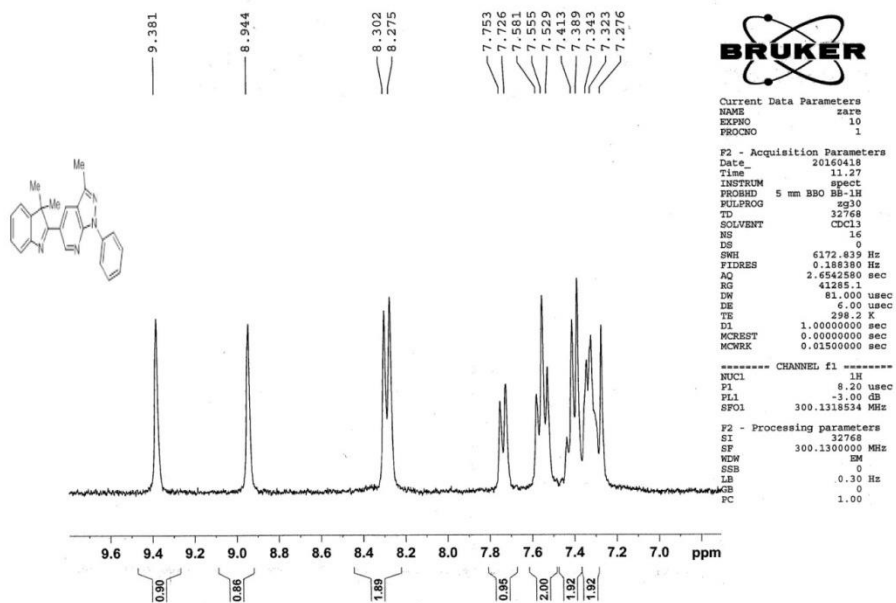
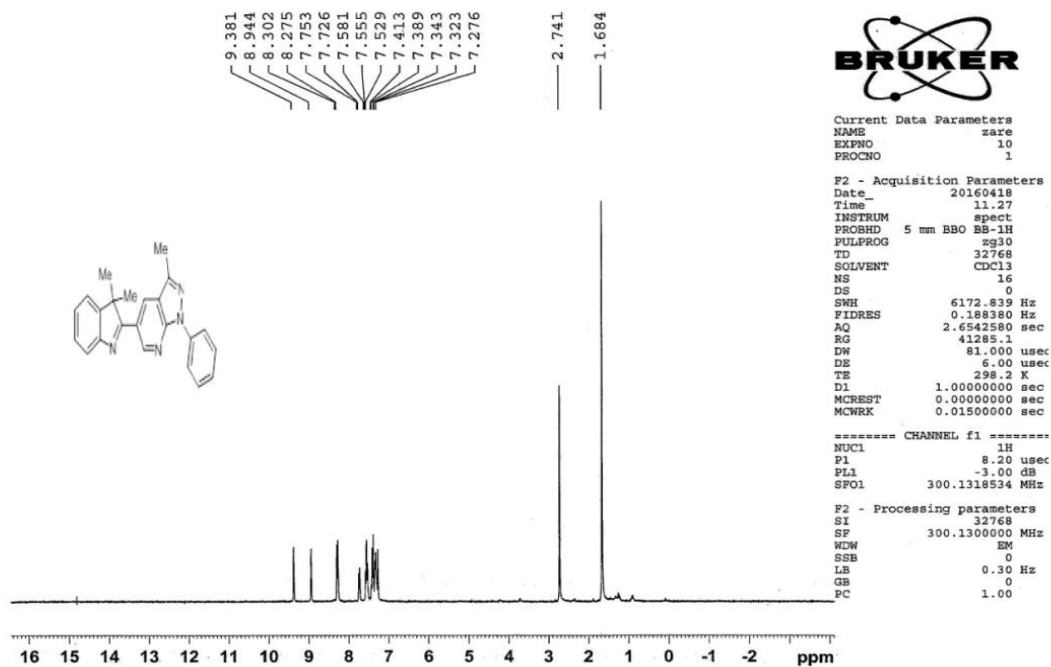
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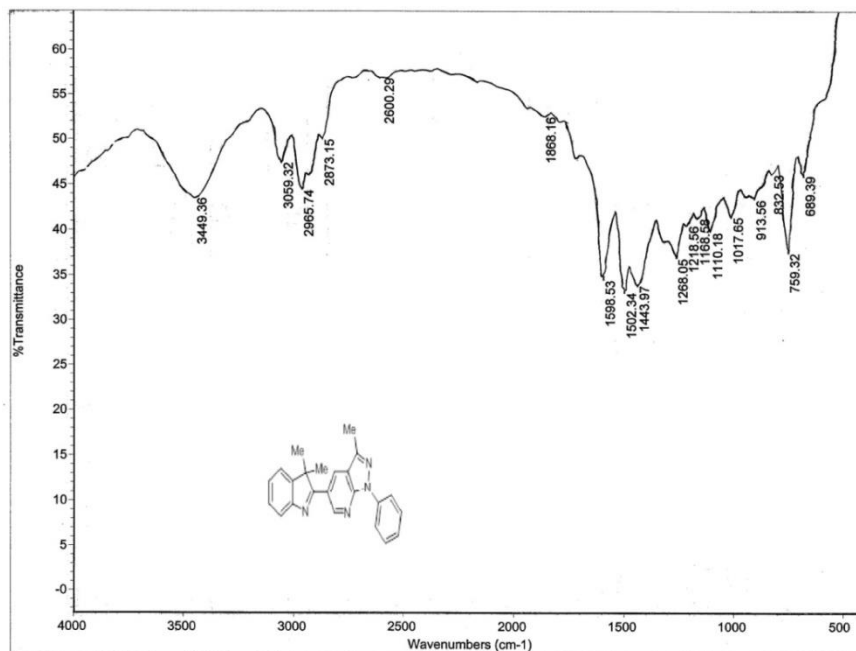
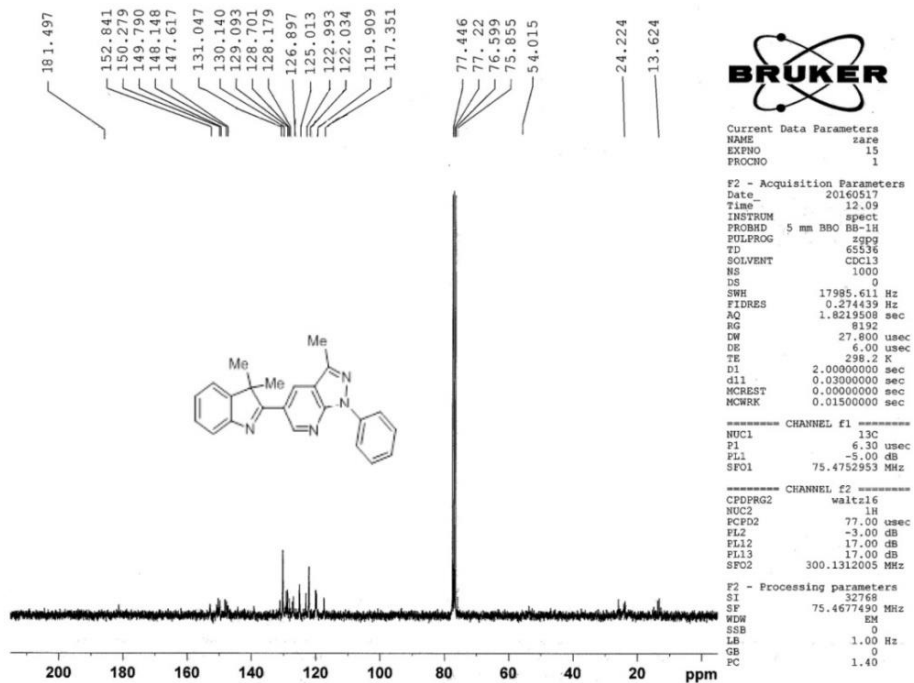
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 FIDRES 0.168380 Hz
 AQ 2.6542580 sec
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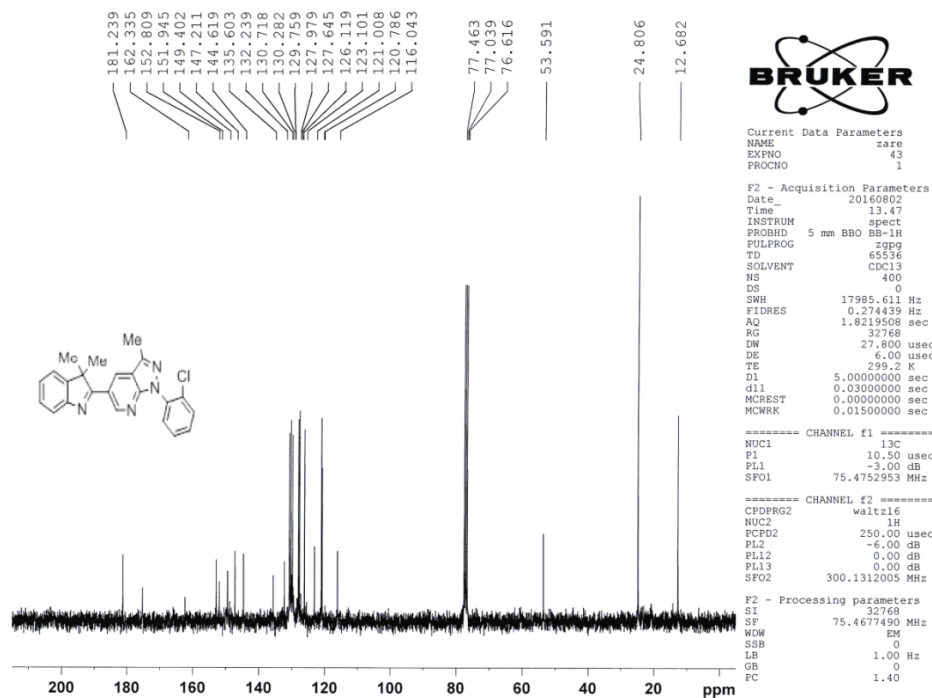
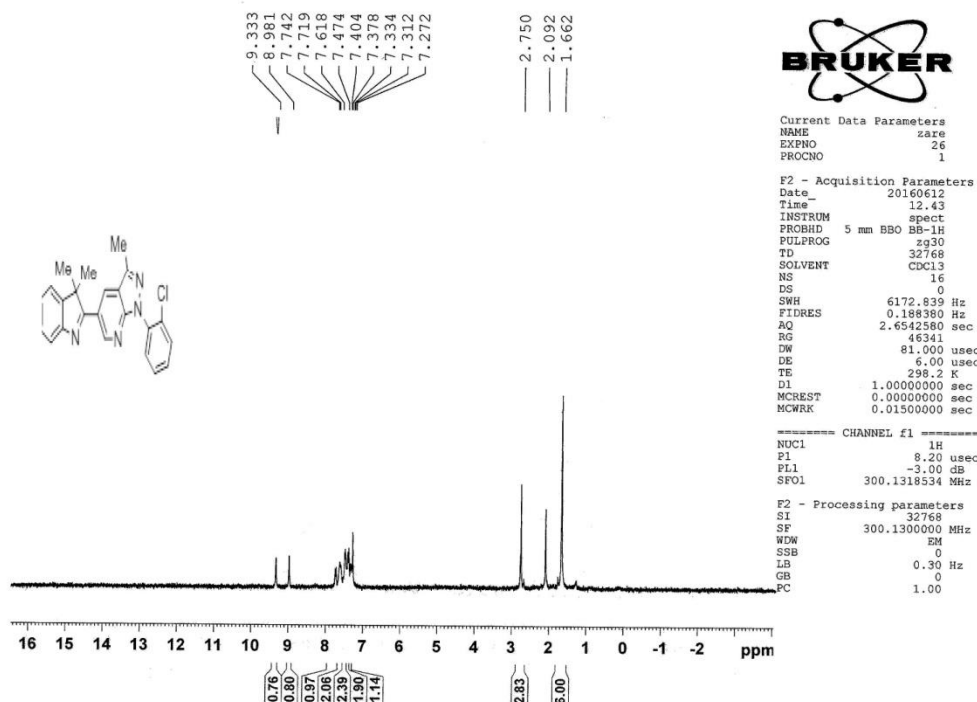
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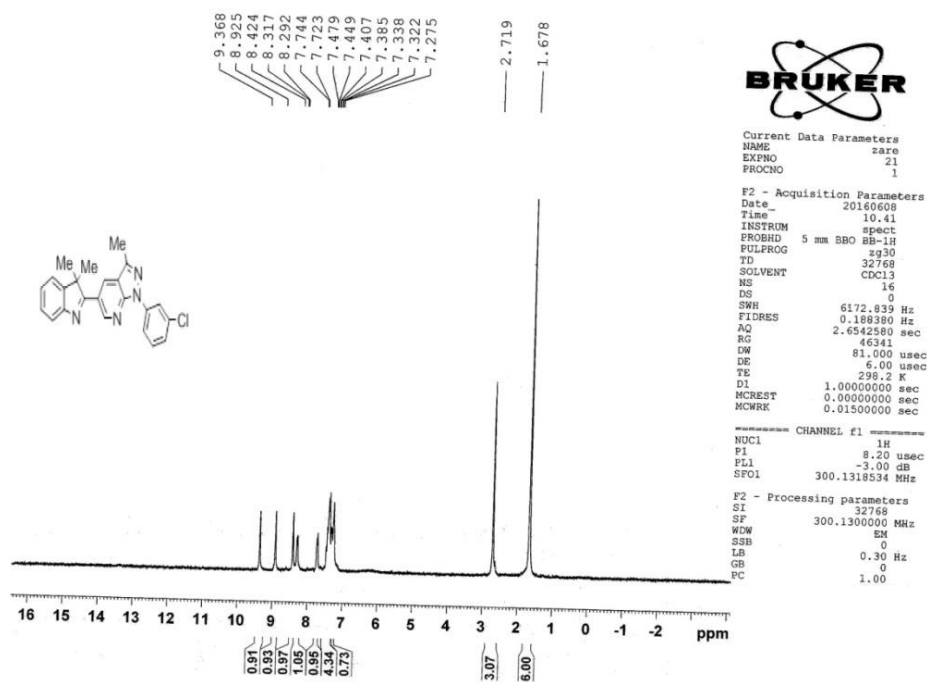
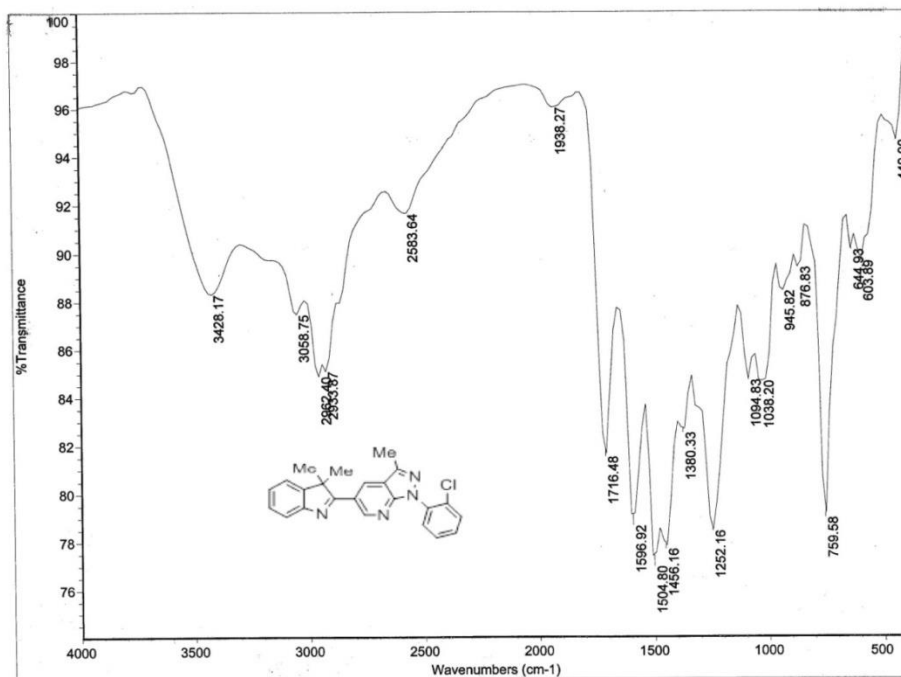
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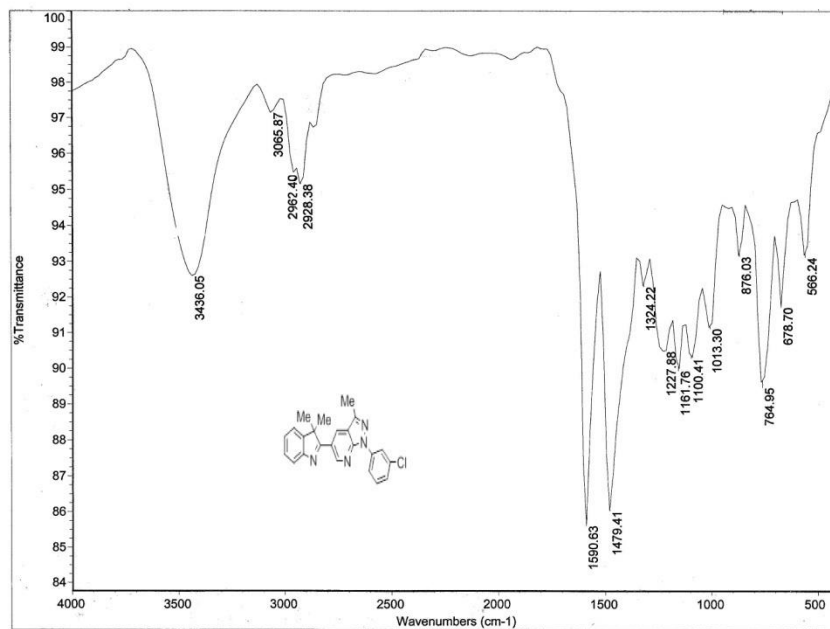
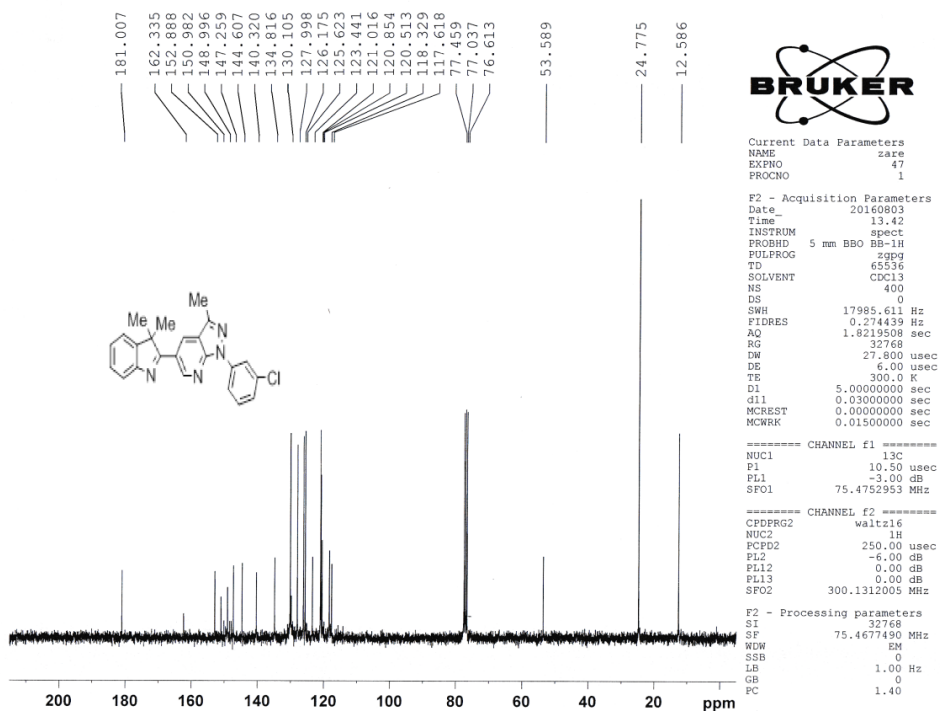


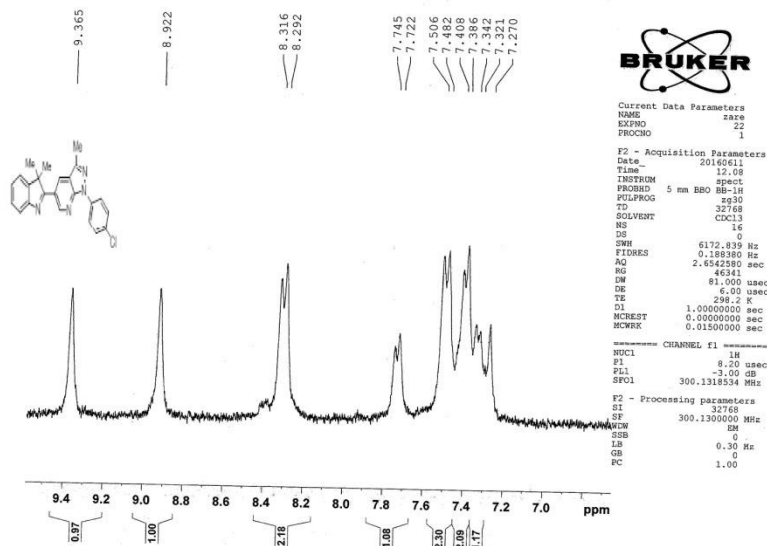
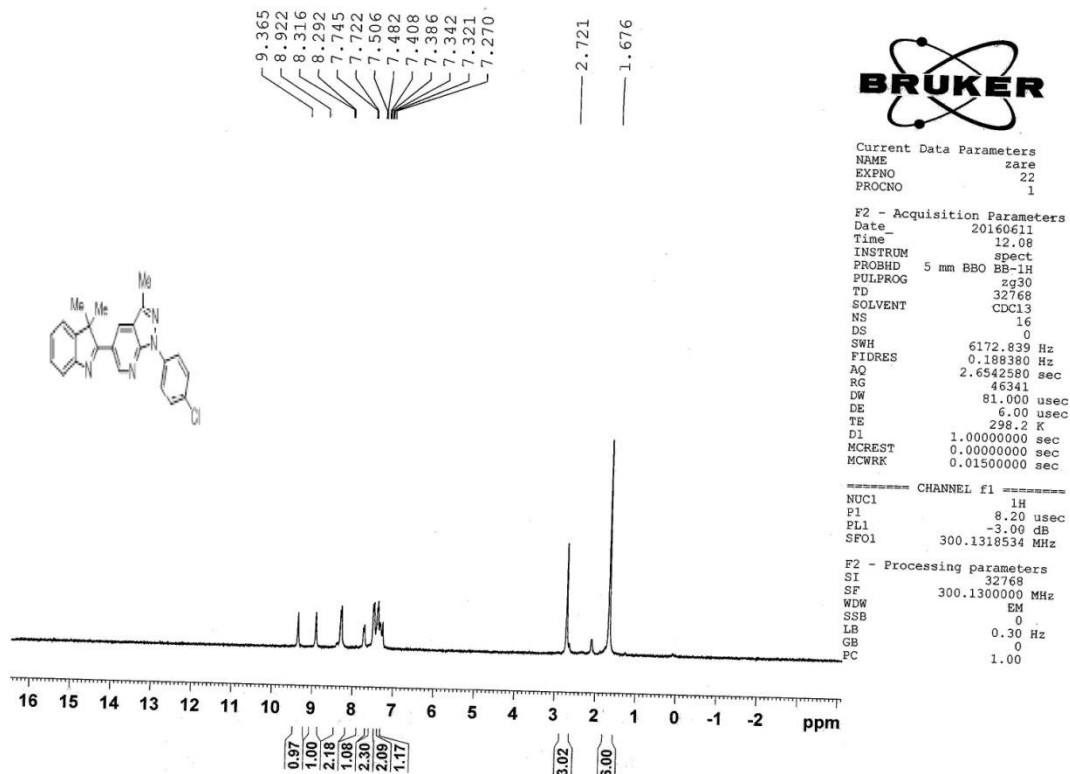


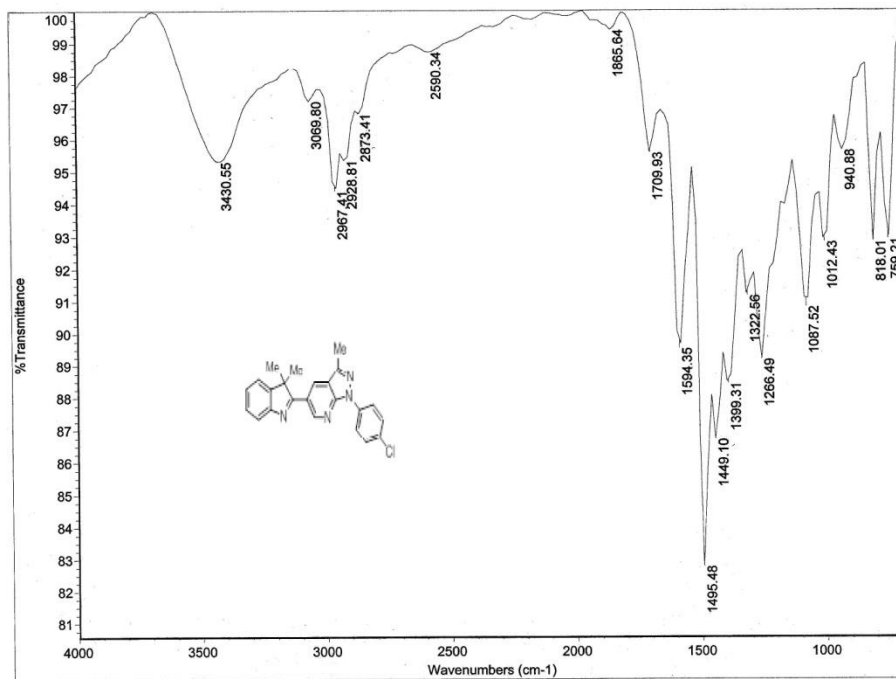
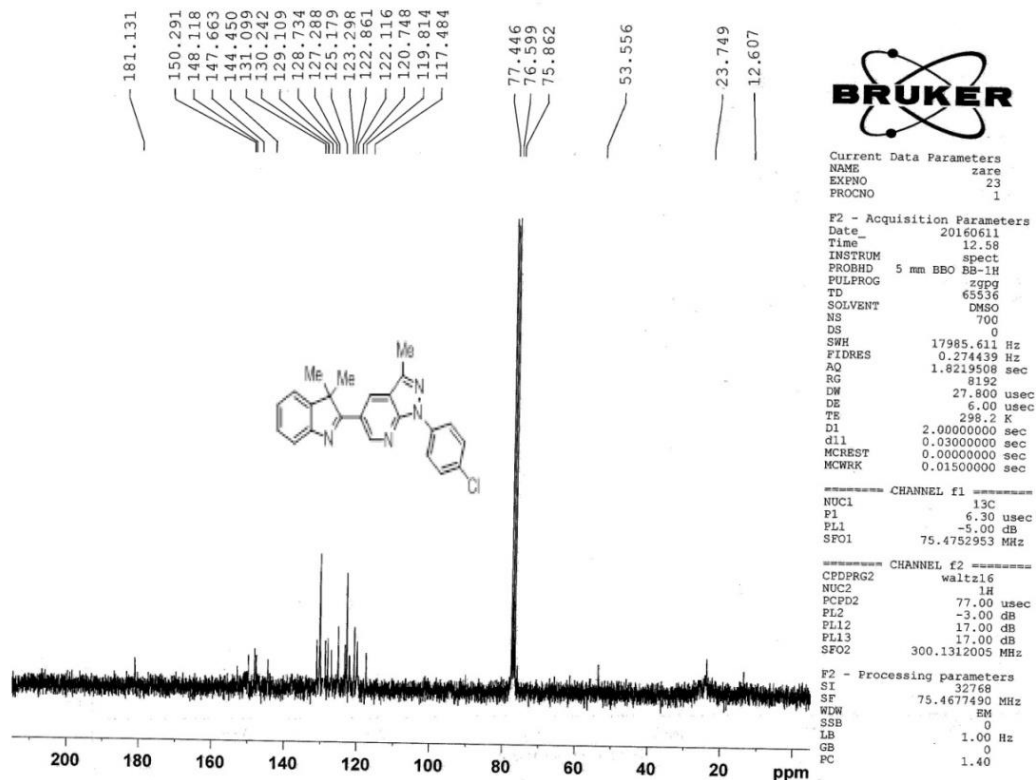


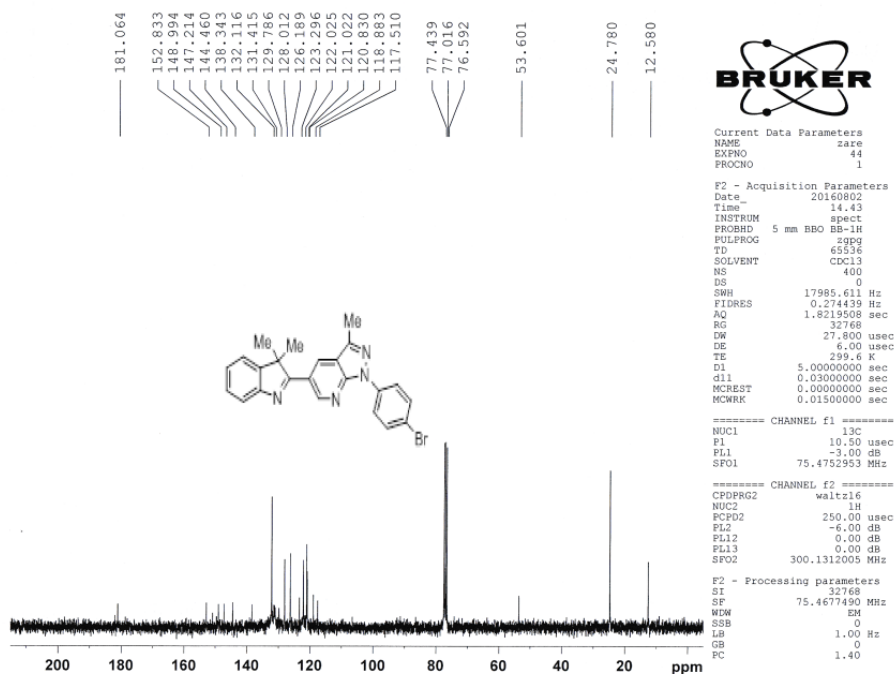
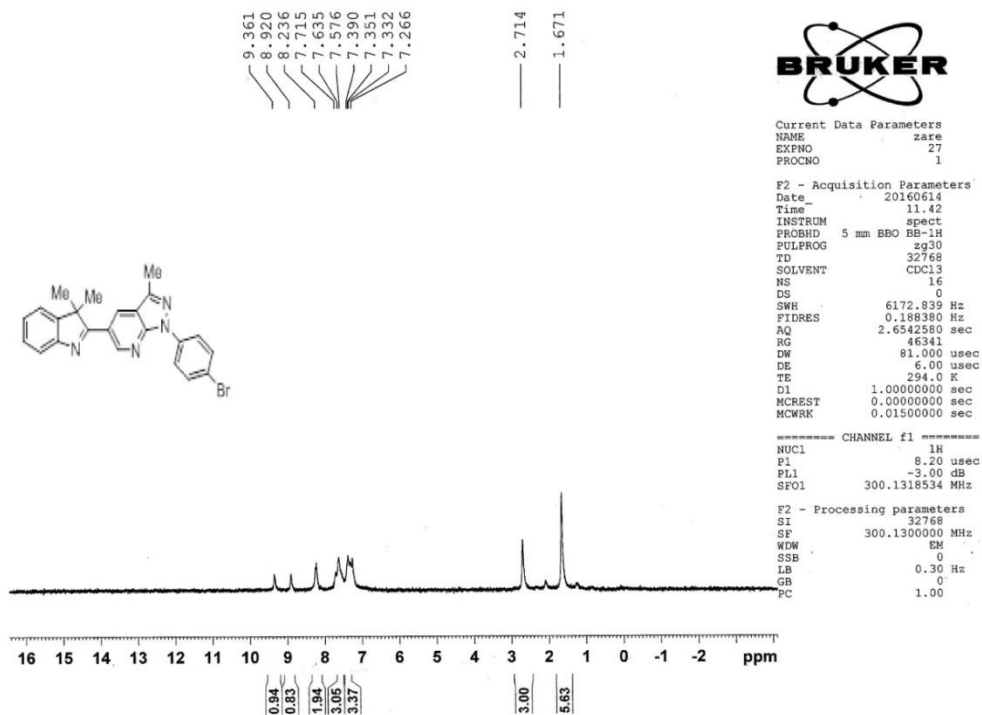


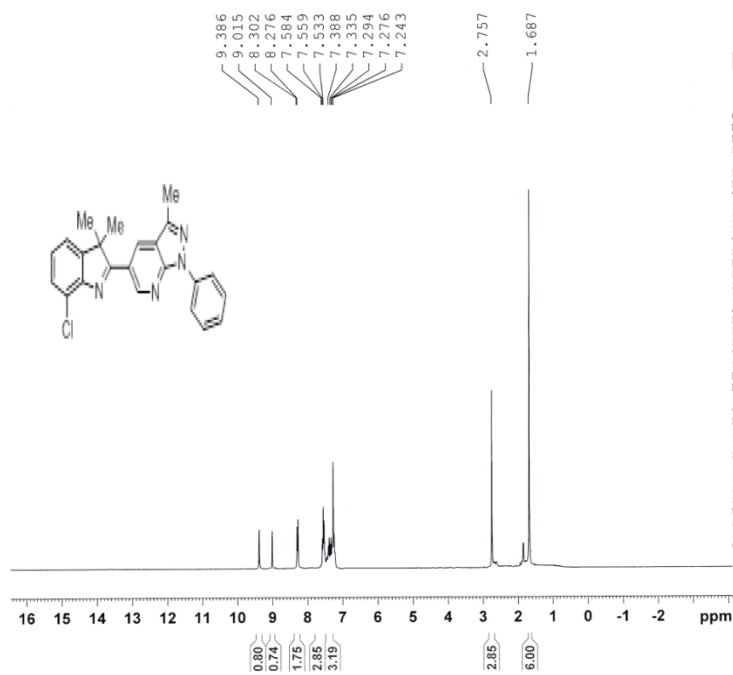
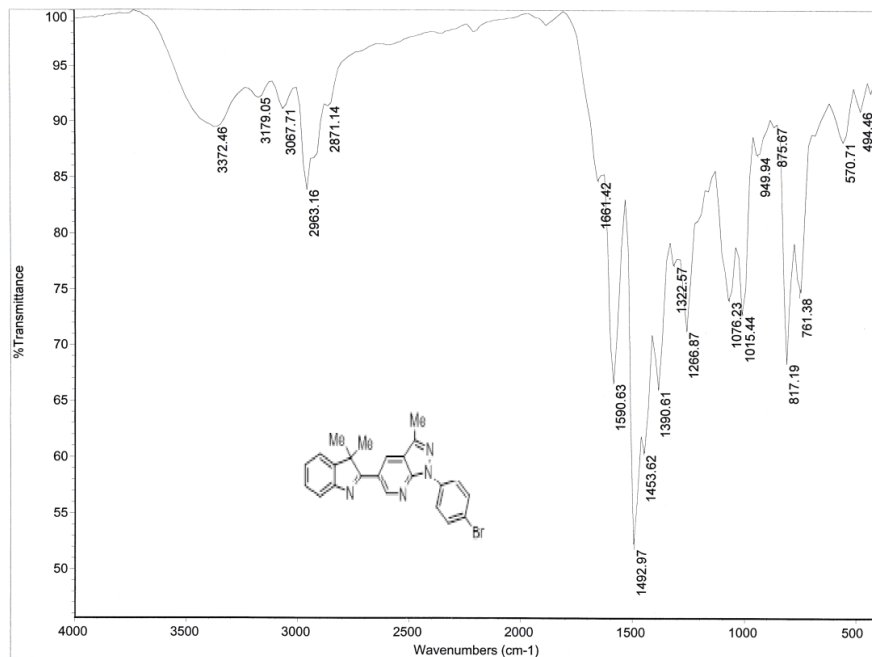












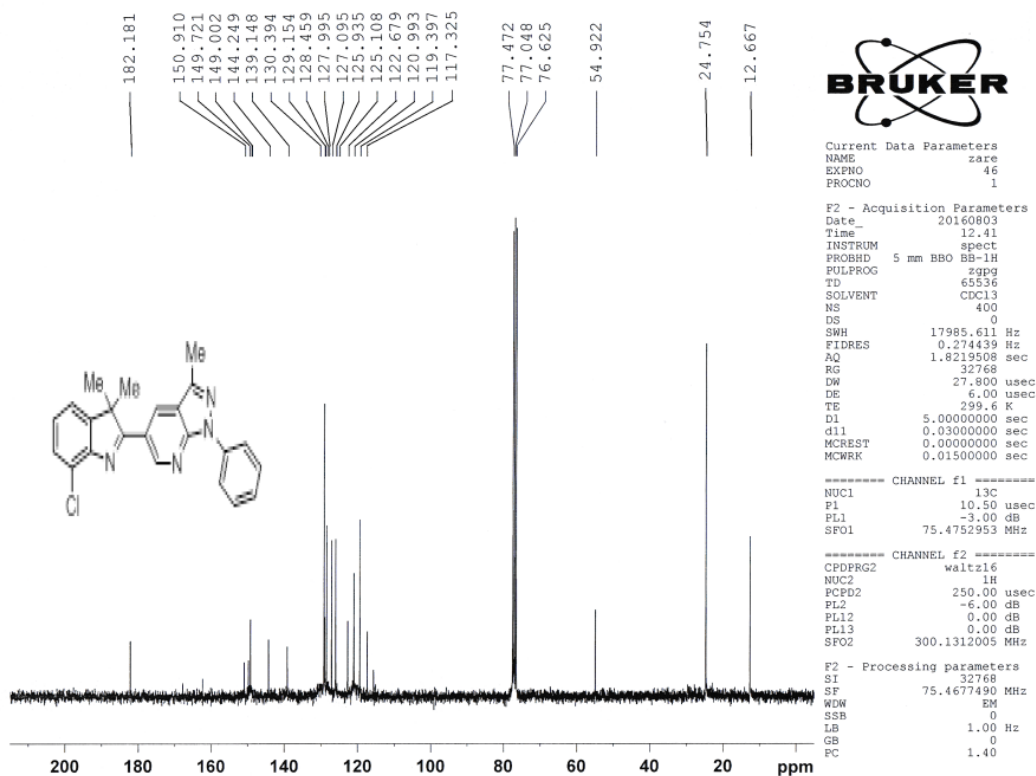
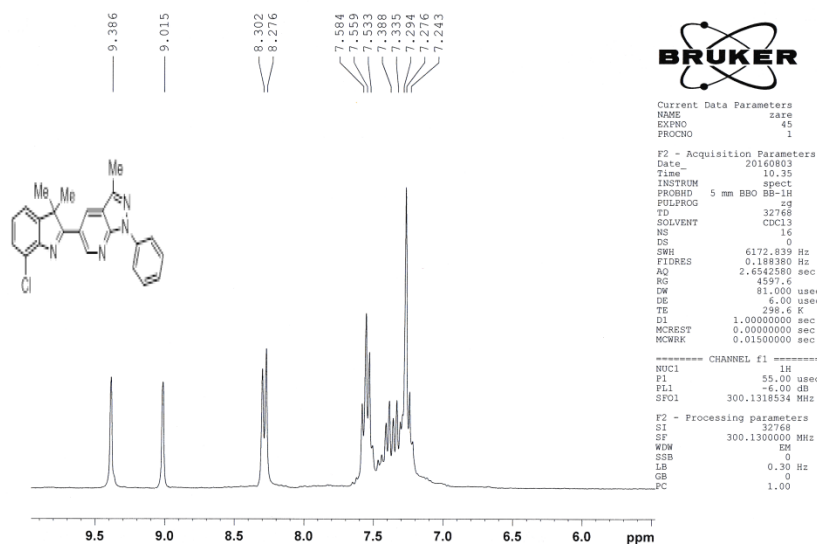
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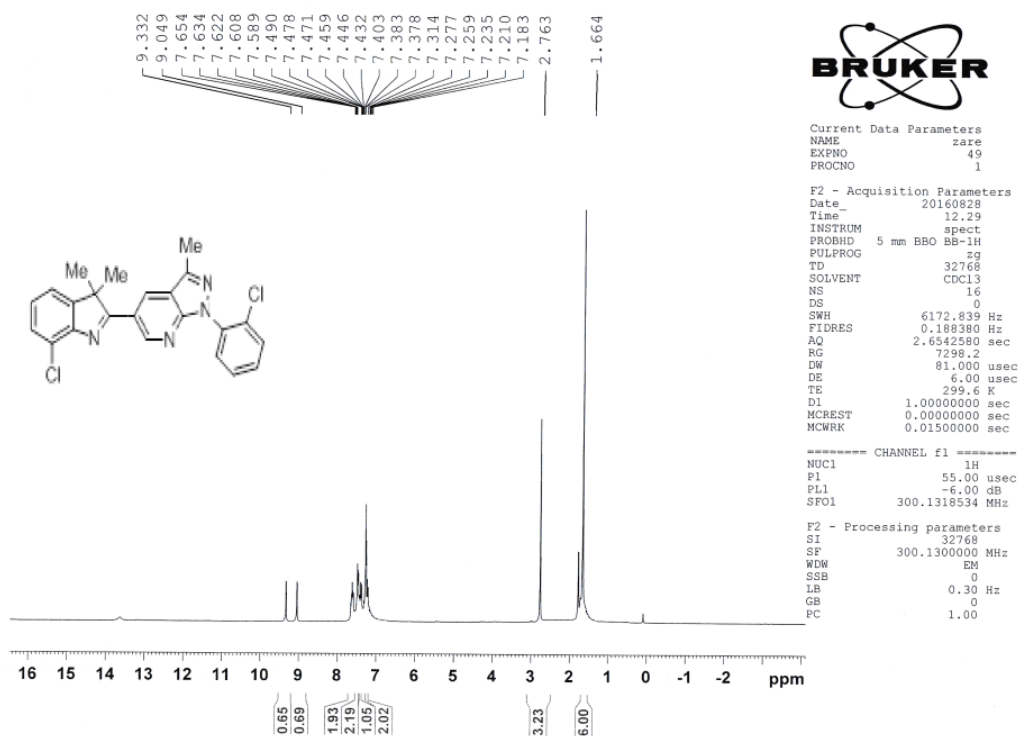
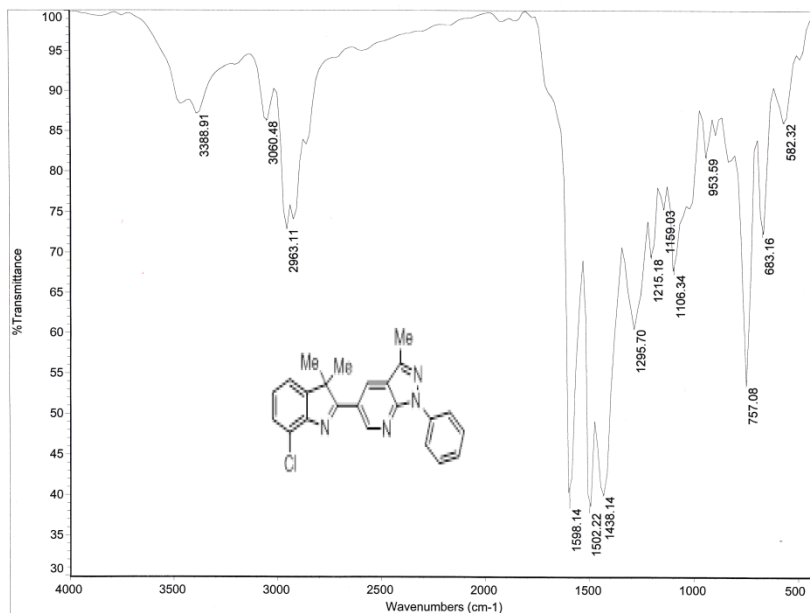
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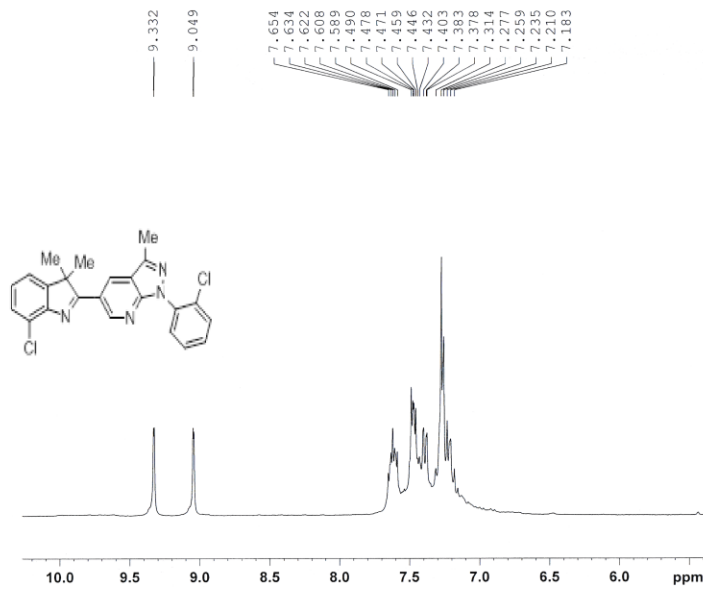
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DE         6.00 usec
TE         298.6 K
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MCREST     0.00000000 sec
MCWRK     0.01500000 sec

===== CHANNEL f1 =====
NUC1       1H
P1         55.00 usec
PL1        -6.00 dB
SFO1       300.1318534 MHz

F2 - Processing parameters
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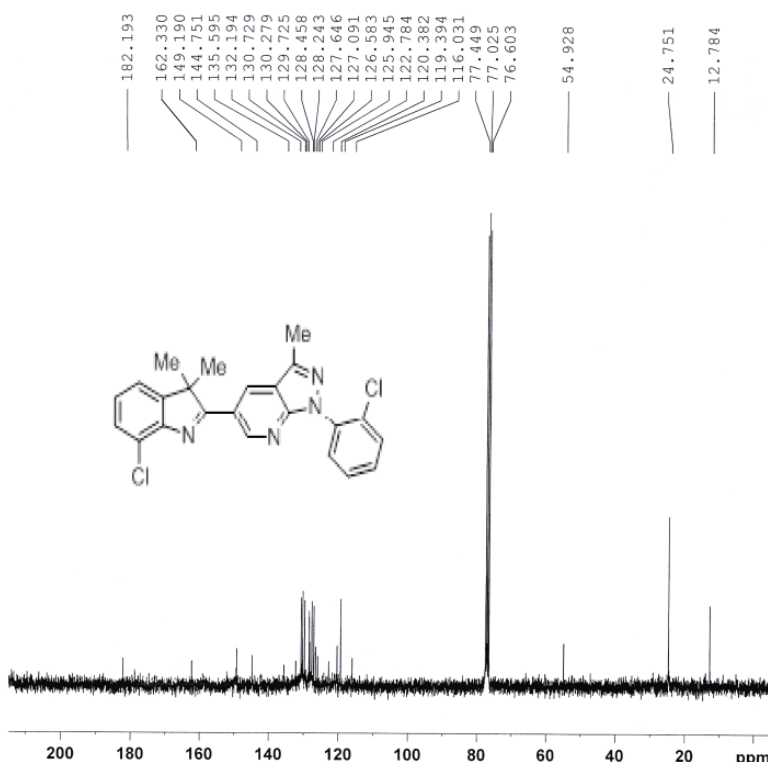
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PULPROG  zgpg
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SOLVENT  CDCl3
NS       16
DS       0
SWH      6172.839 Hz
FIDRES   0.188360 Hz
AQ       2.6342580 sec
RG       7298.2
DW       81.000 usec
DE       6.00 usec
TE       299.6 K
D1       1.00000000 sec
MCREST   0.00000000 sec
MCWRK    0.01500000 sec

===== CHANNEL f1 =====
NUC1     1H
P1       55.00 usec
PL1      -6.00 dB
SFO1     300.1318534 MHz

F2 - Processing parameters
SI       32768
SF       300.1300000 MHz
WDW      EM
SSB      0
LB       0.30 Hz
GB       0
PC       1.00
    
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Current Data Parameters
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PROCNO   1

F2 - Acquisition Parameters
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SOLVENT  CDCl3
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FIDRES   0.274439 Hz
AQ       1.8219508 sec
RG       32768
DW       27.800 usec
DE       6.00 usec
TE       299.2 K
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d11      0.03000000 sec
MCREST   0.00000000 sec
MCWRK    0.01500000 sec

===== CHANNEL f1 =====
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PL1      -3.00 dB
SFO1     75.4752953 MHz

===== CHANNEL f2 =====
CPDPRG2  waltz16
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PCPD2    250.00 usec
PL2      -6.00 dB
PL12     0.00 dB
PL13     0.00 dB
SFO2     300.1312005 MHz

F2 - Processing parameters
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