

SUPPORTING INFORMATION

Microwave-assisted, sequential four-component synthesis of polysubstituted 5,6-dihydroquinazolinones from acyclic precursors and a mild, halogenation-initiated method for their aromatization under focused microwave irradiation

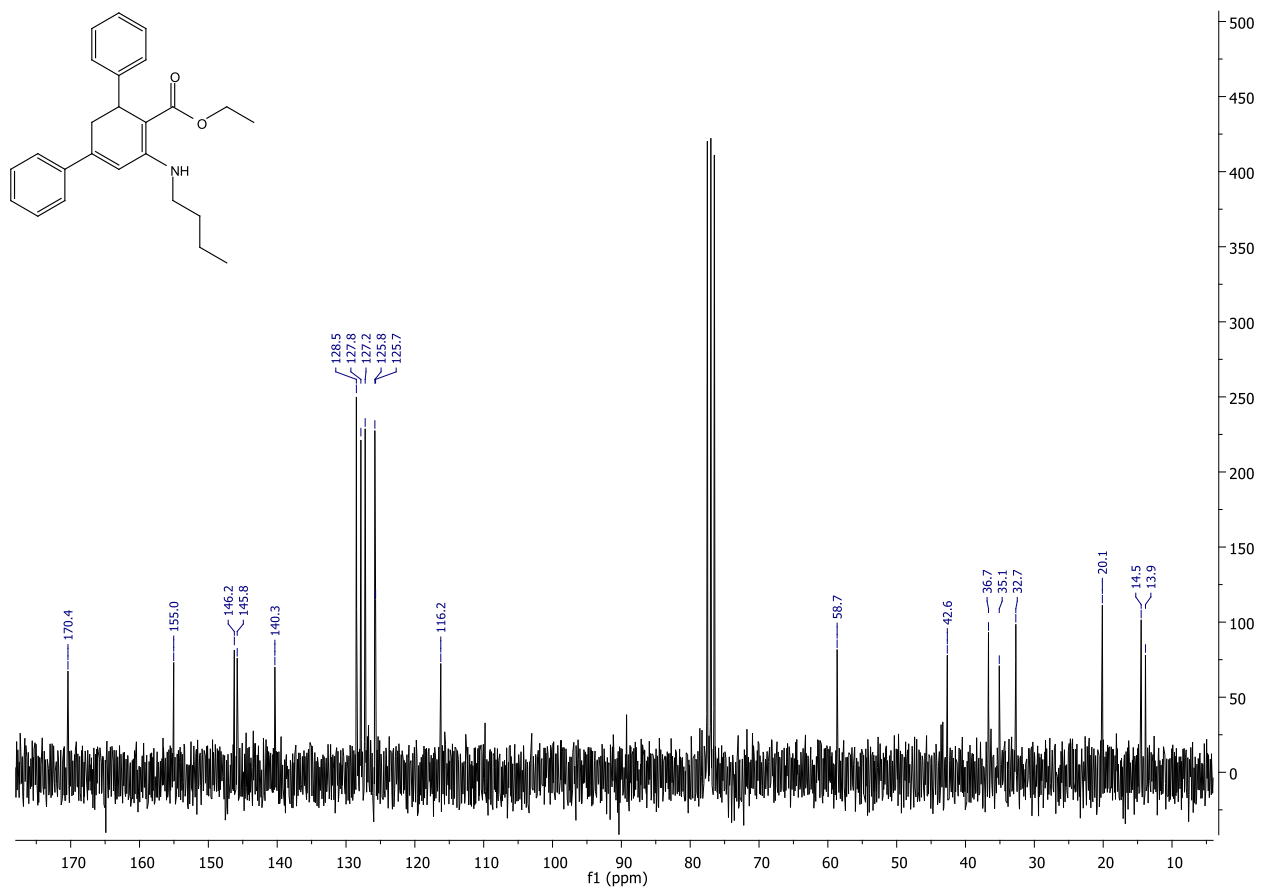
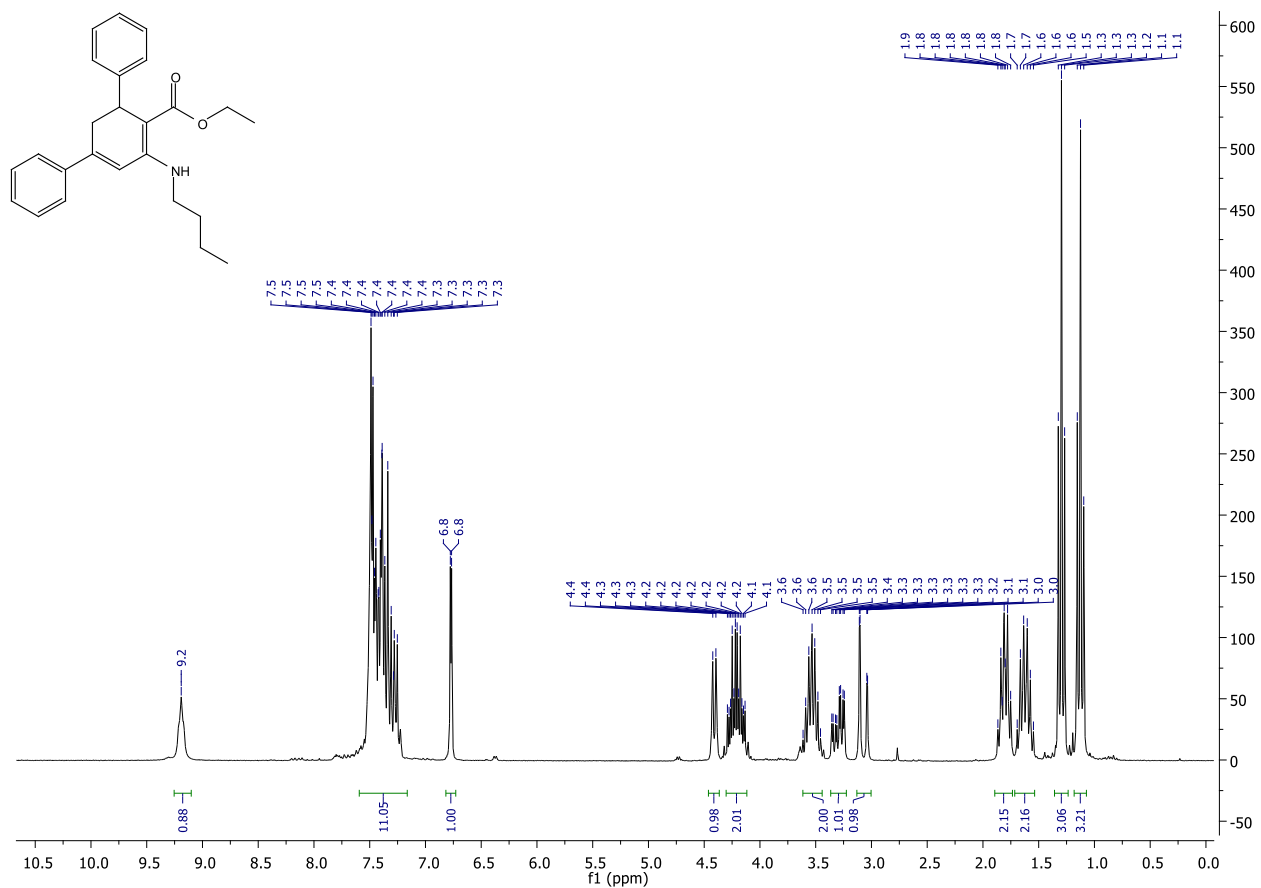
Damiano Rocchi, J. Francisco González and J. Carlos Menéndez*

Departamento de Química Orgánica y Farmacéutica, Facultad de Farmacia,

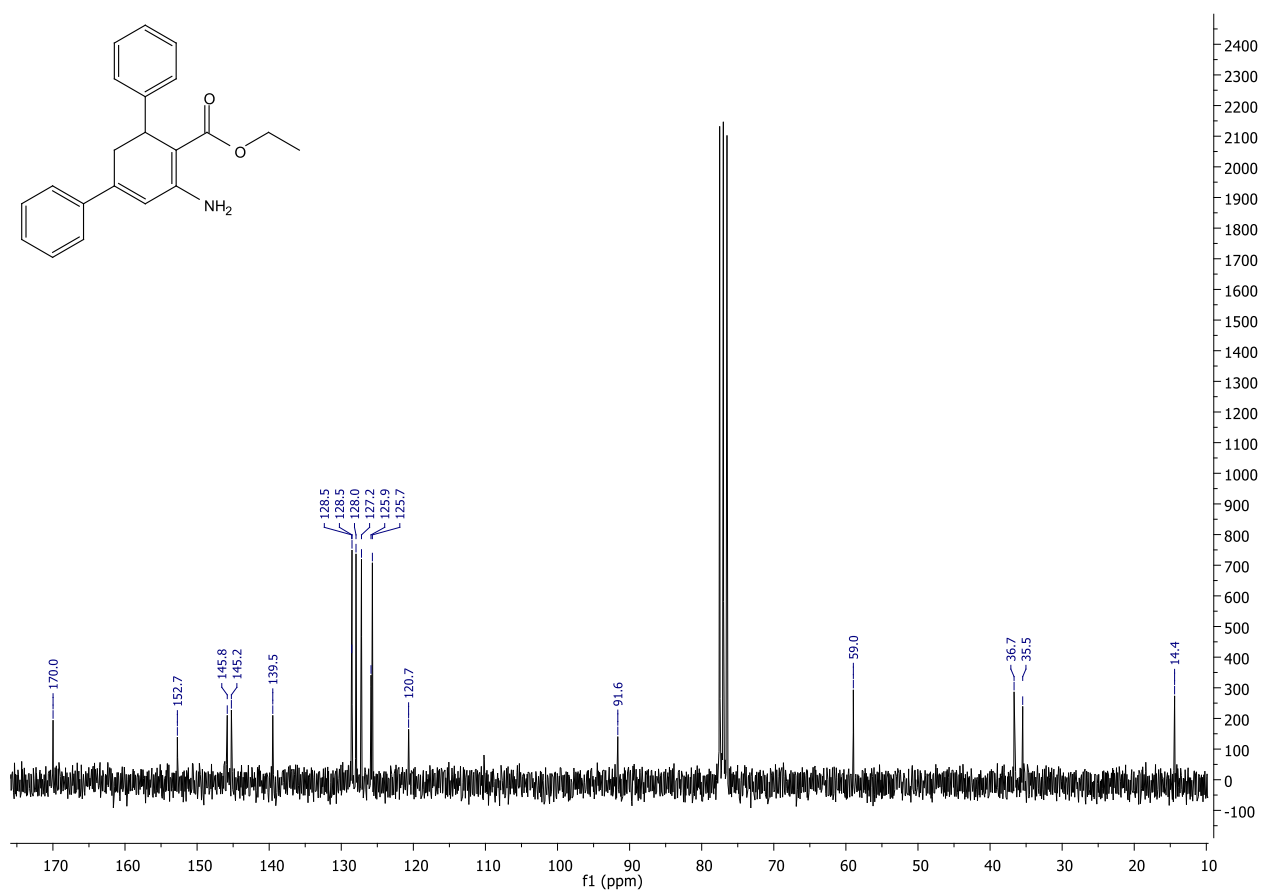
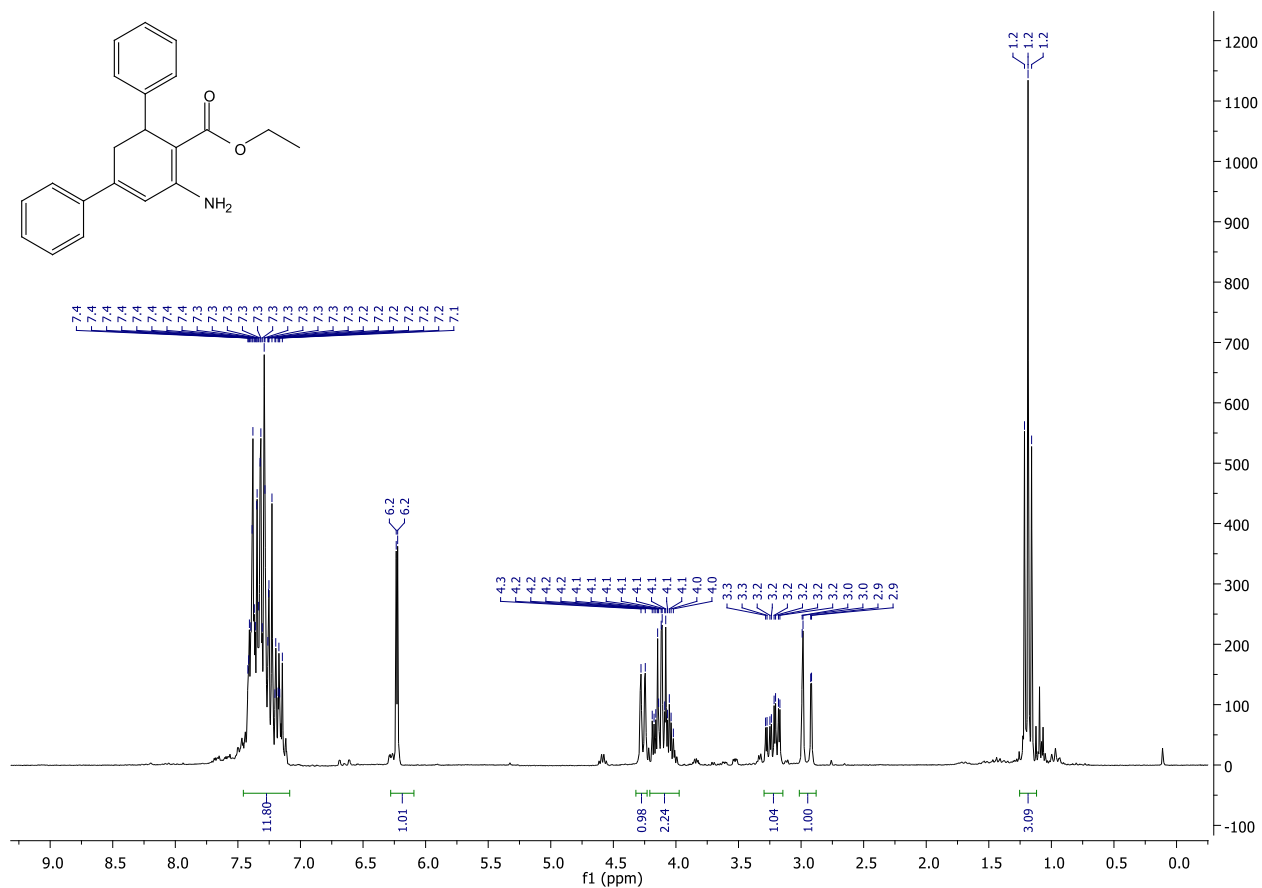
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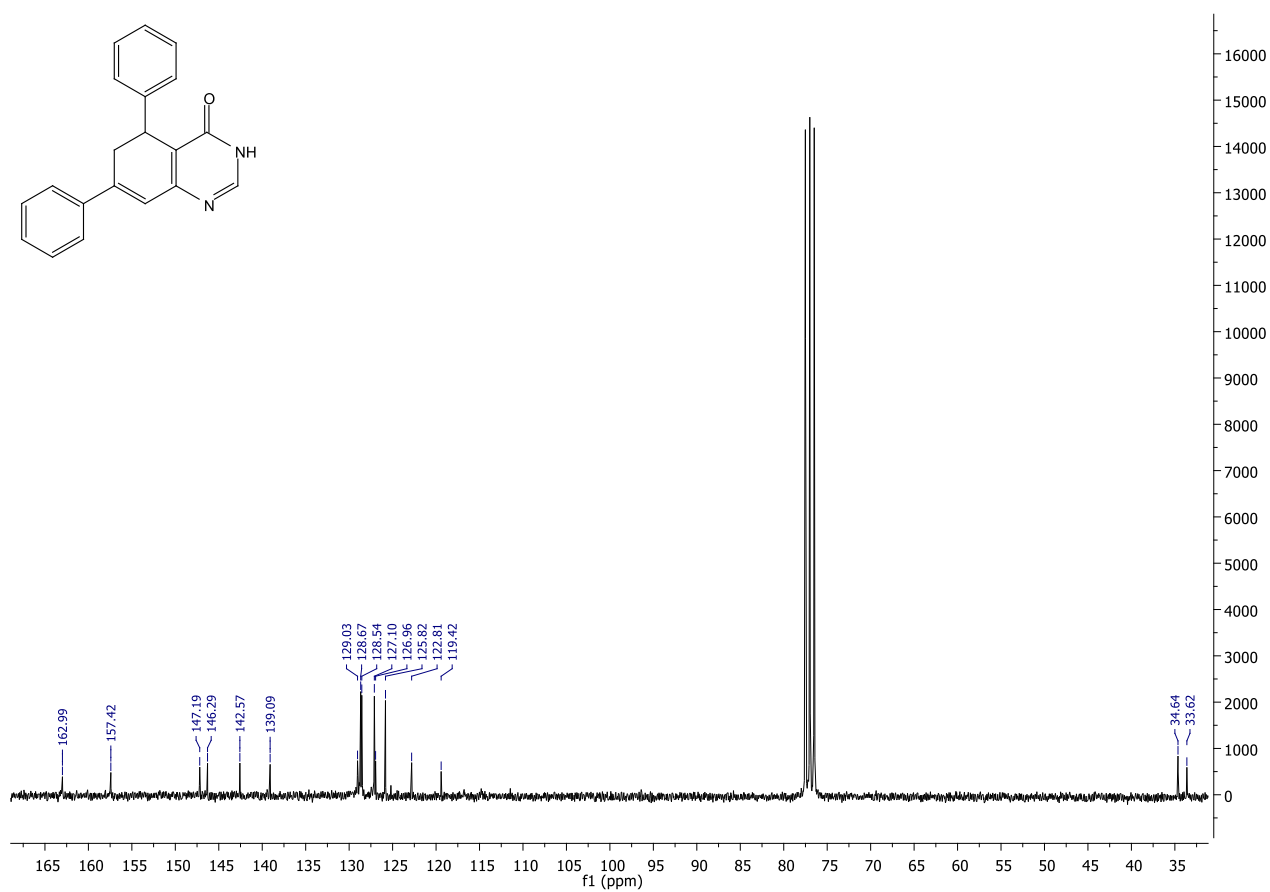
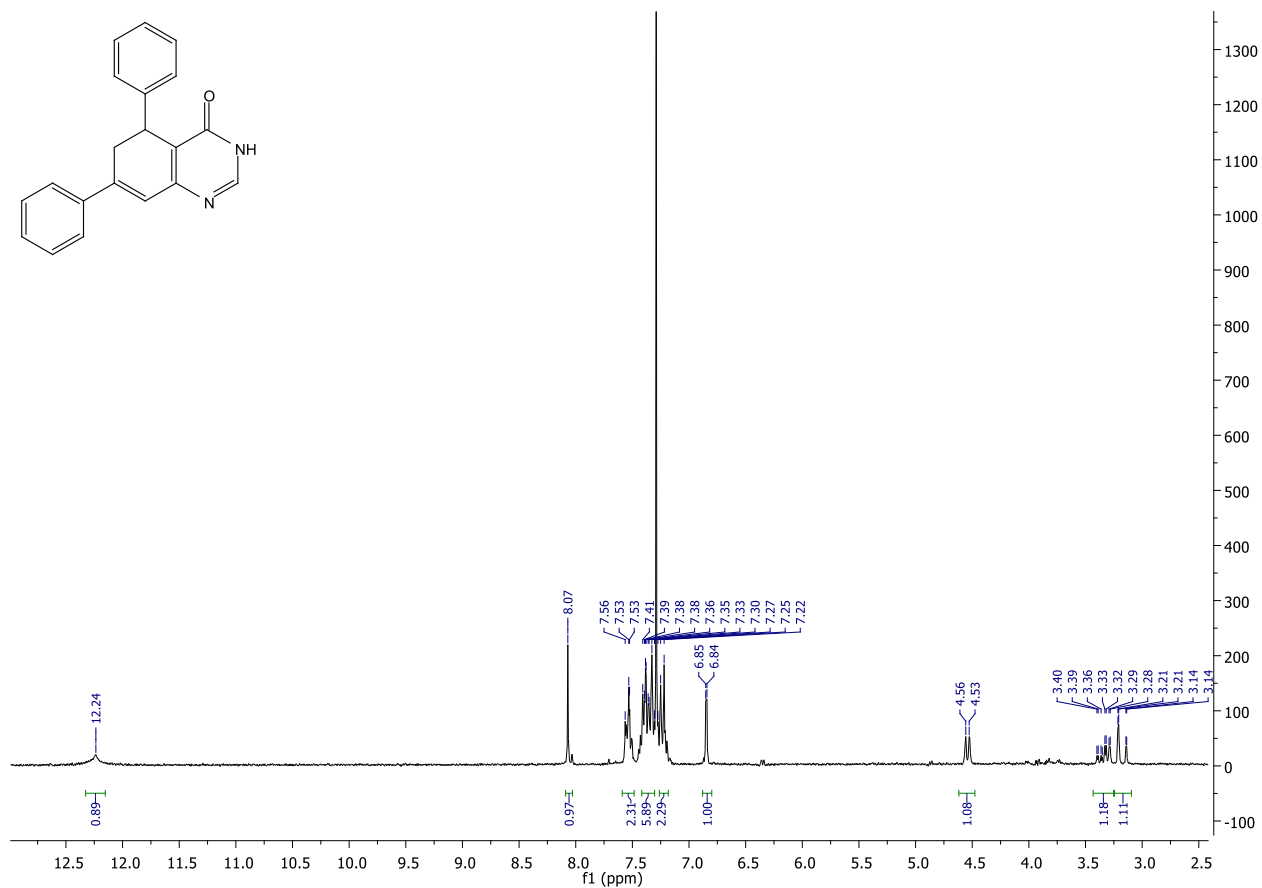
Ethyl-6-butylamino-2,4-diphenyl-2,3-dihydrobenzoate **4a**



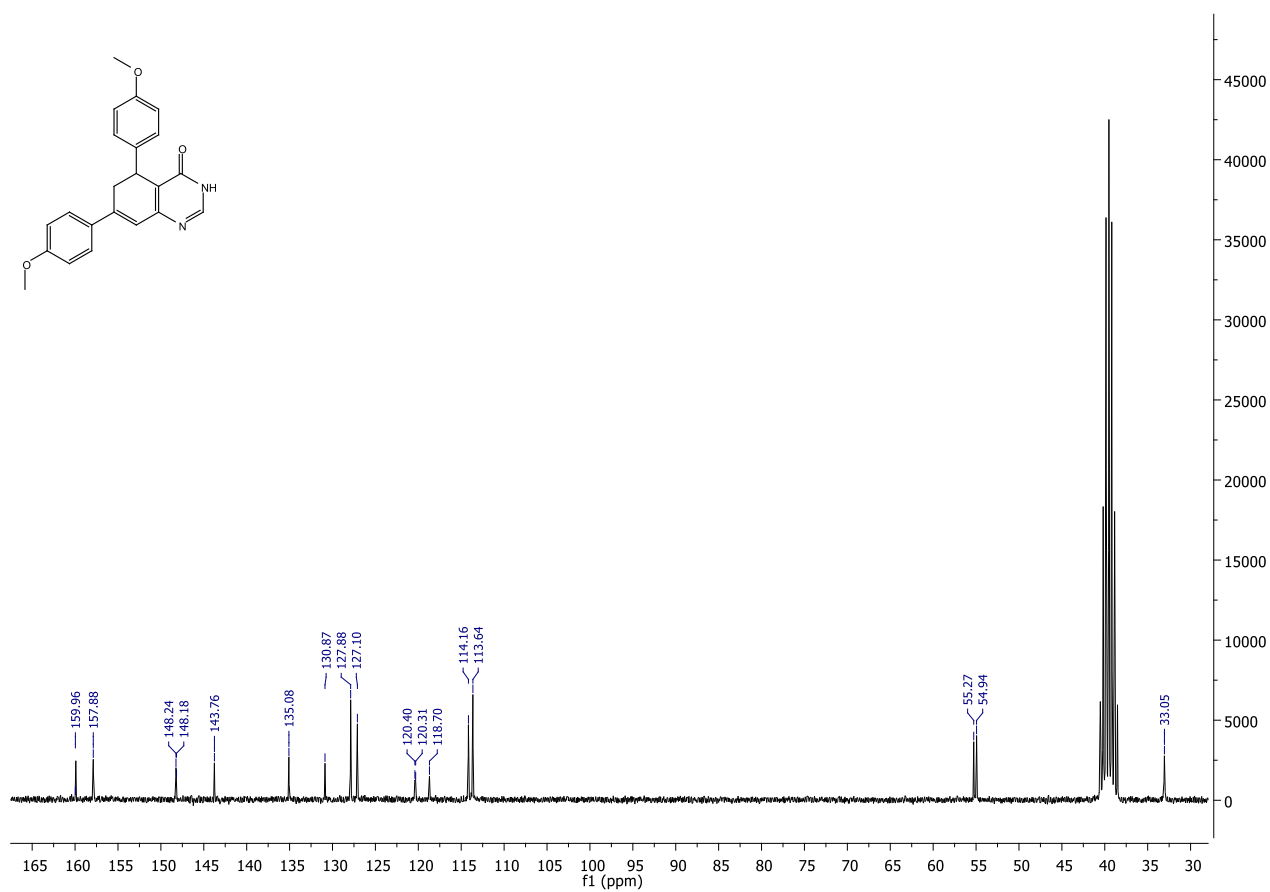
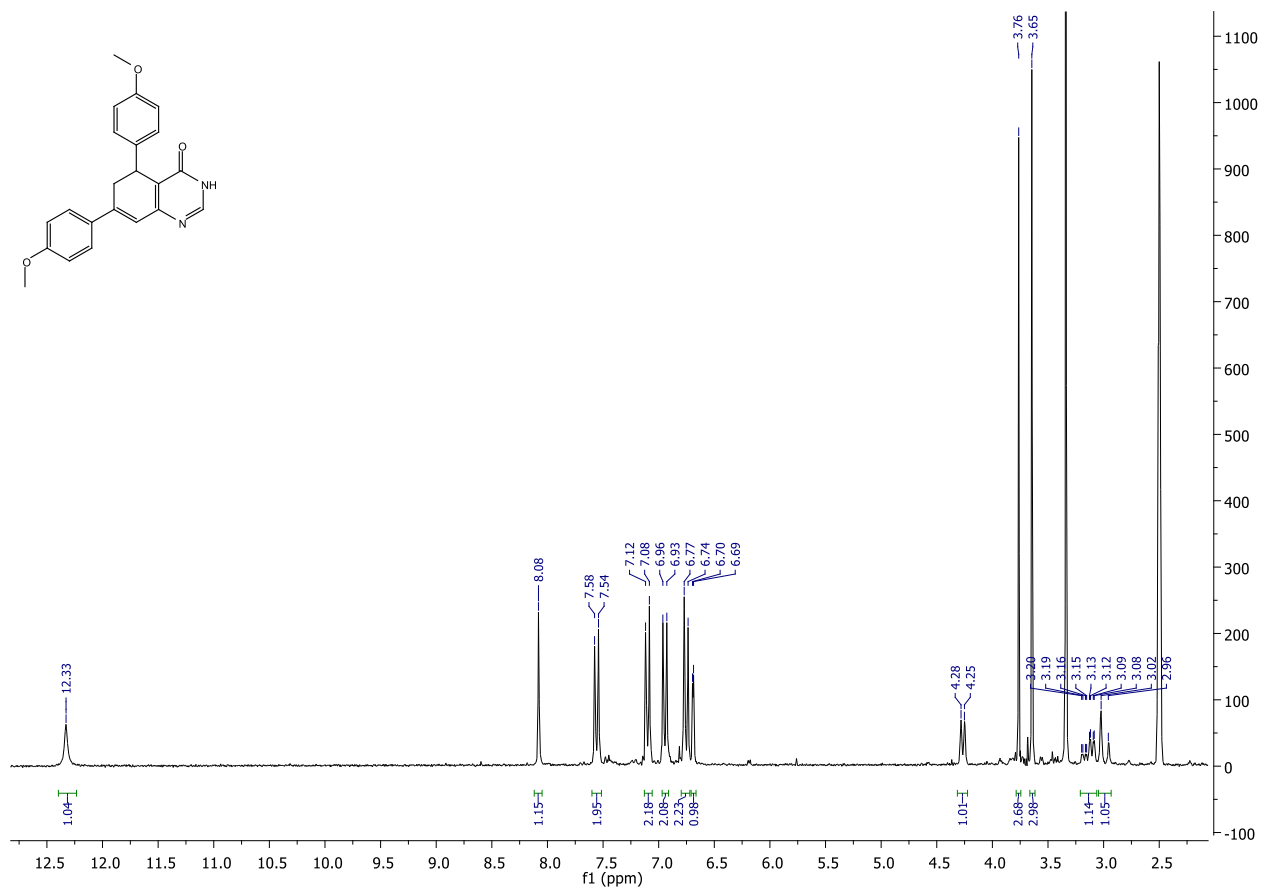
Ethyl-6-amino-2,4-diphenyl-2,3-dihydrobenzoate **5a**.



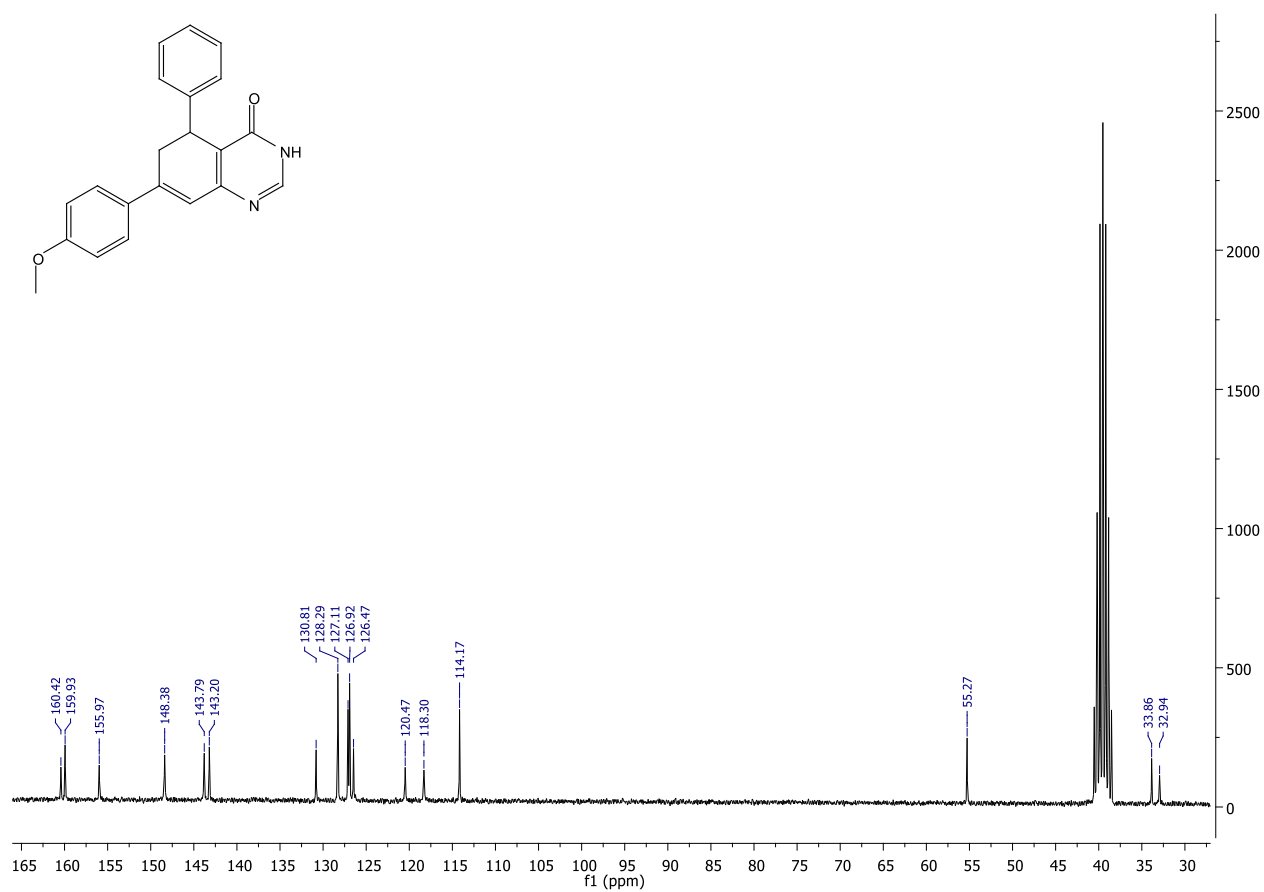
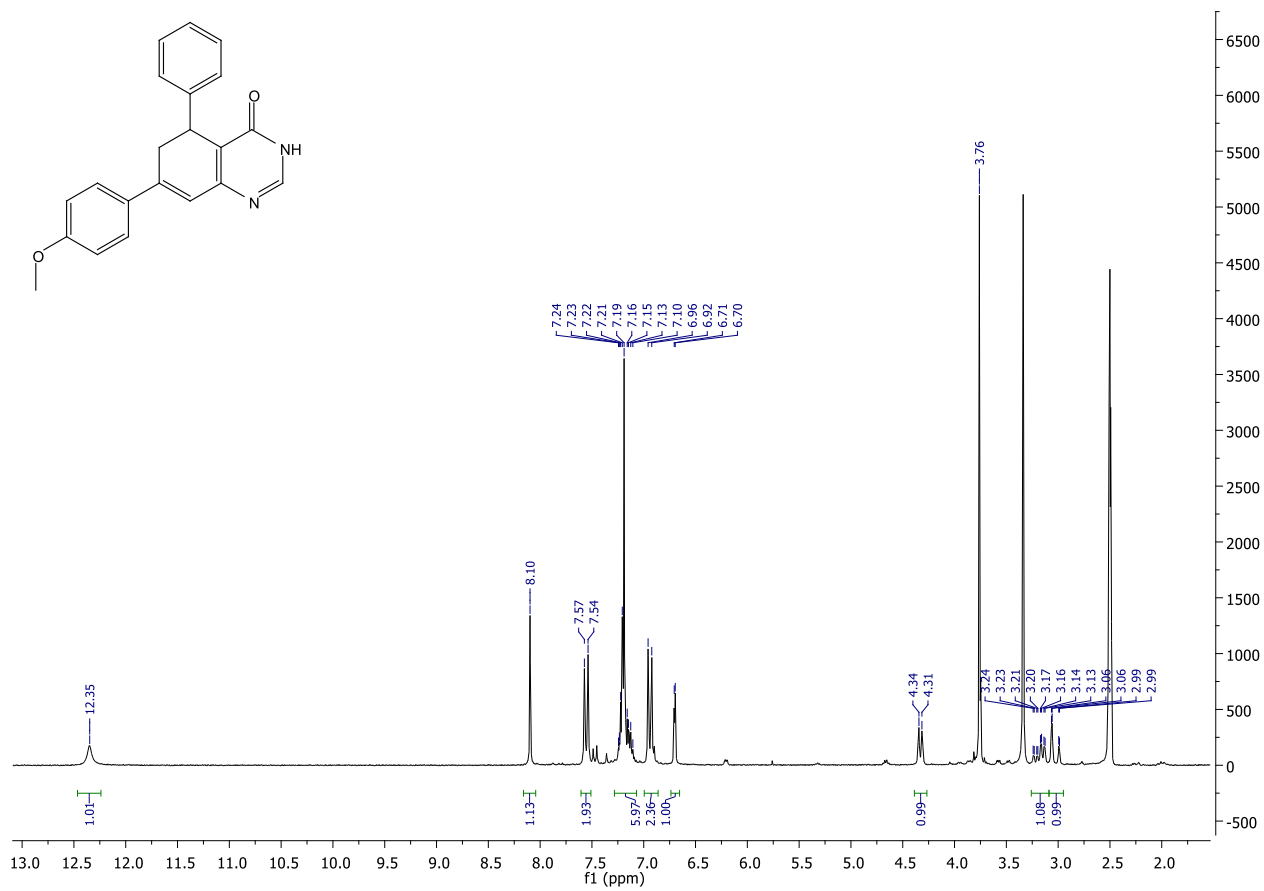
5,7-Diphenyl-5,6-dihydroquinazolin-4(3H)-one 7a



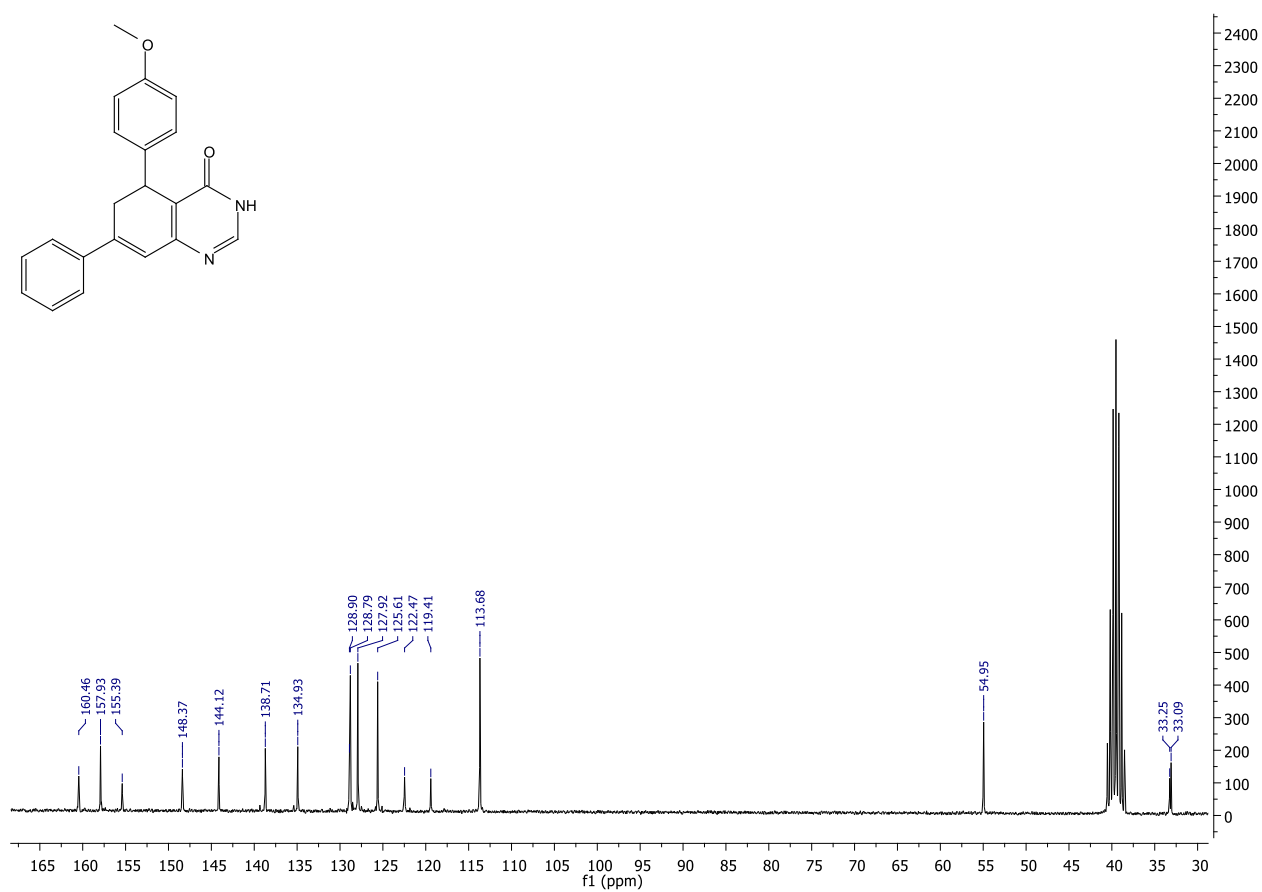
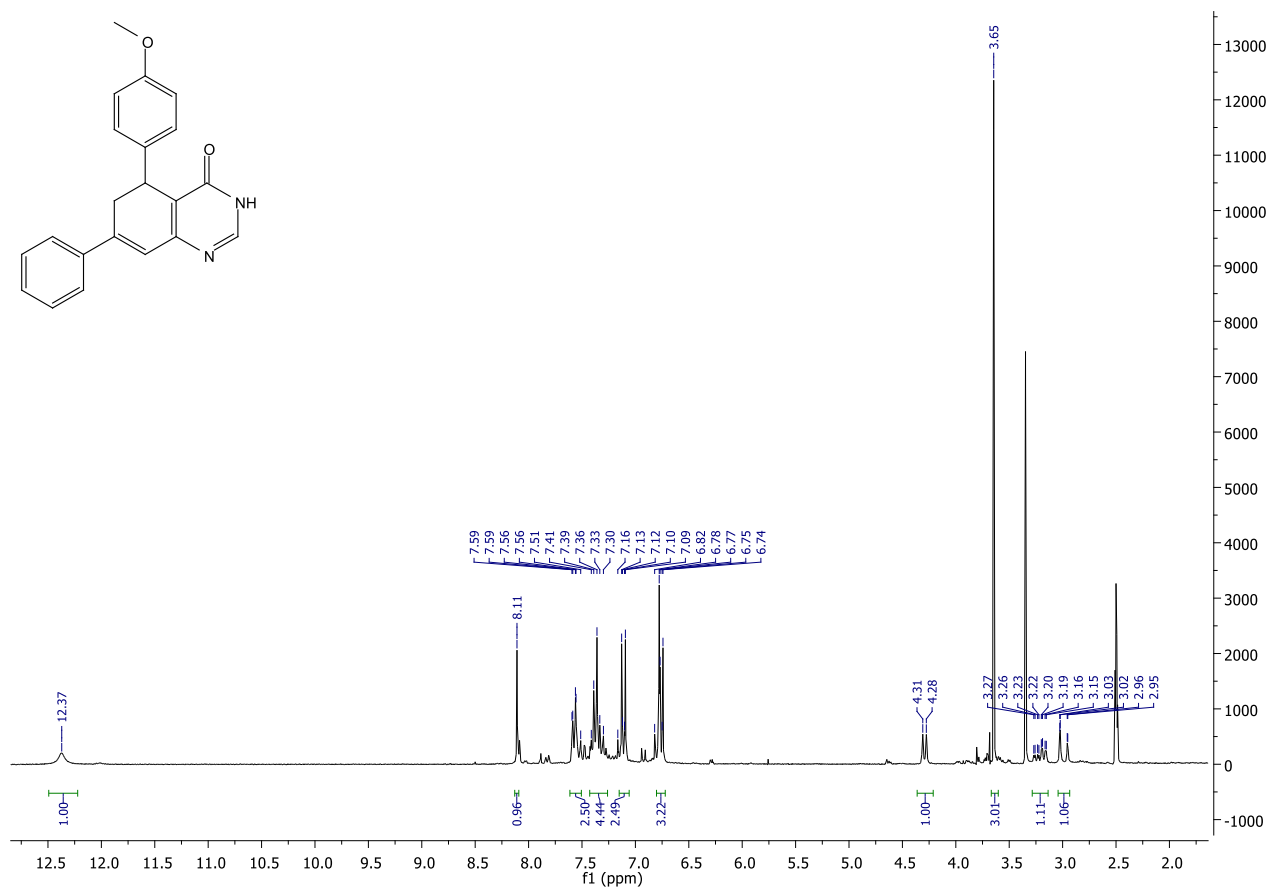
5,7-Bis(4-methoxyphenyl)-5,6-dihydroquinazolin-4(3H)-one **7b**.



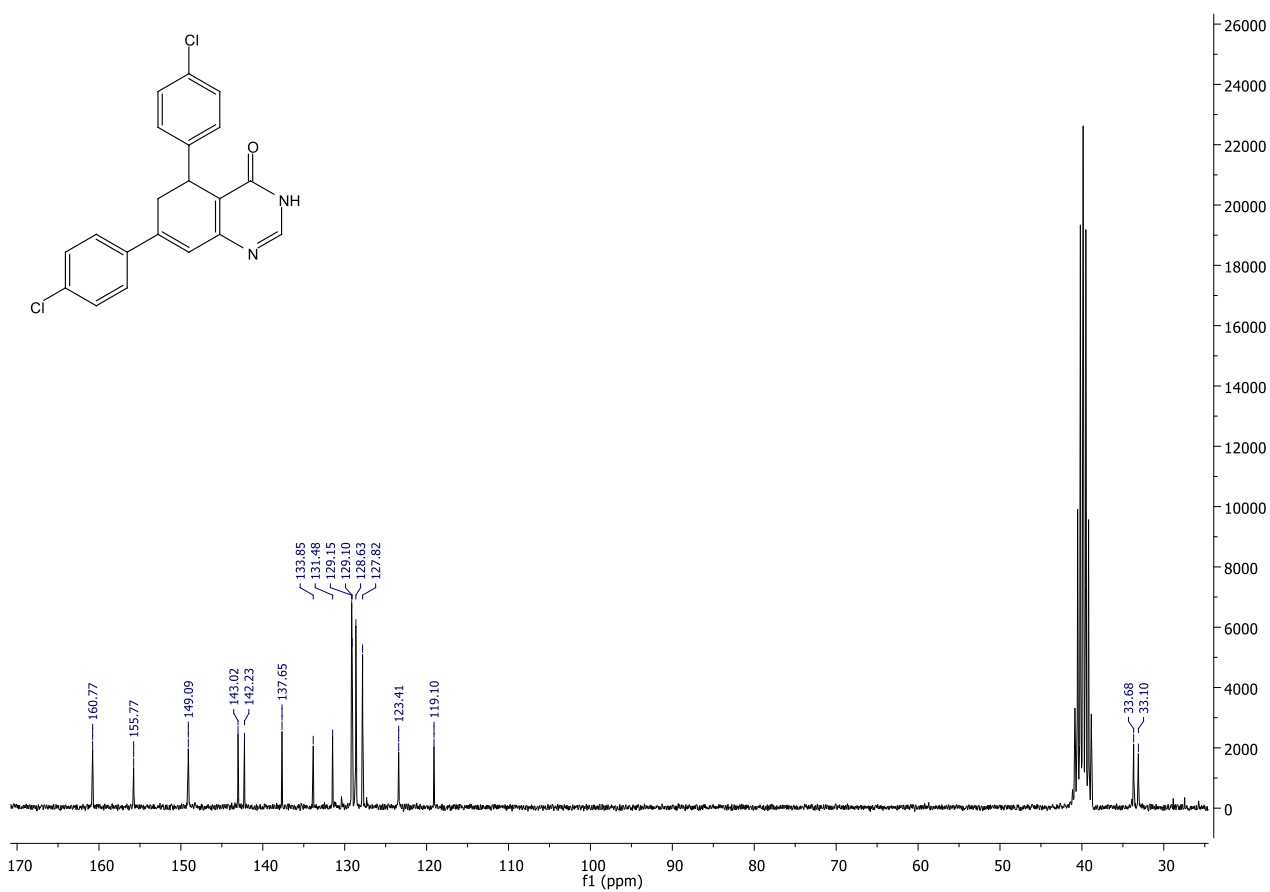
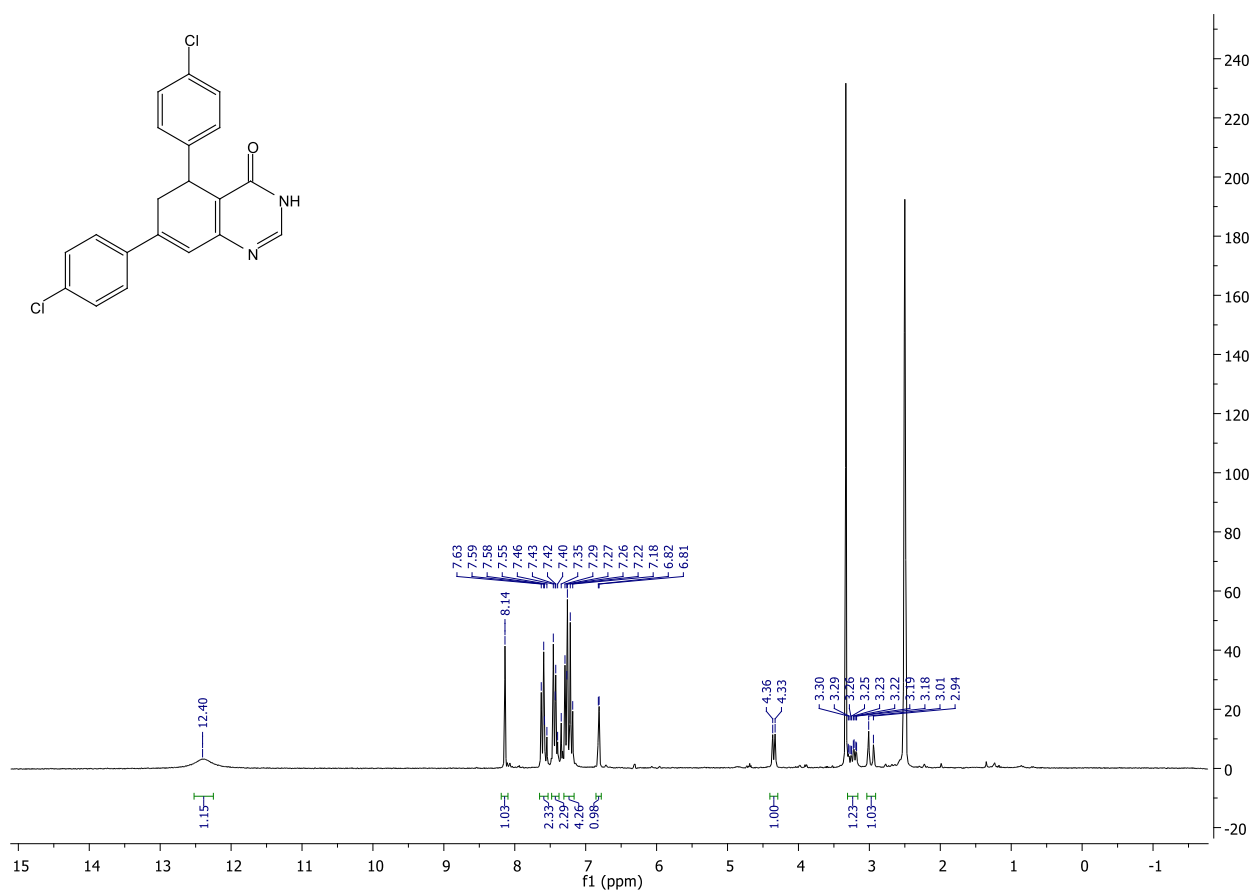
7-(4-Methoxyphenyl)-5-phenyl-5,6-dihydroquinazolin-4(3H)-one **7c** .



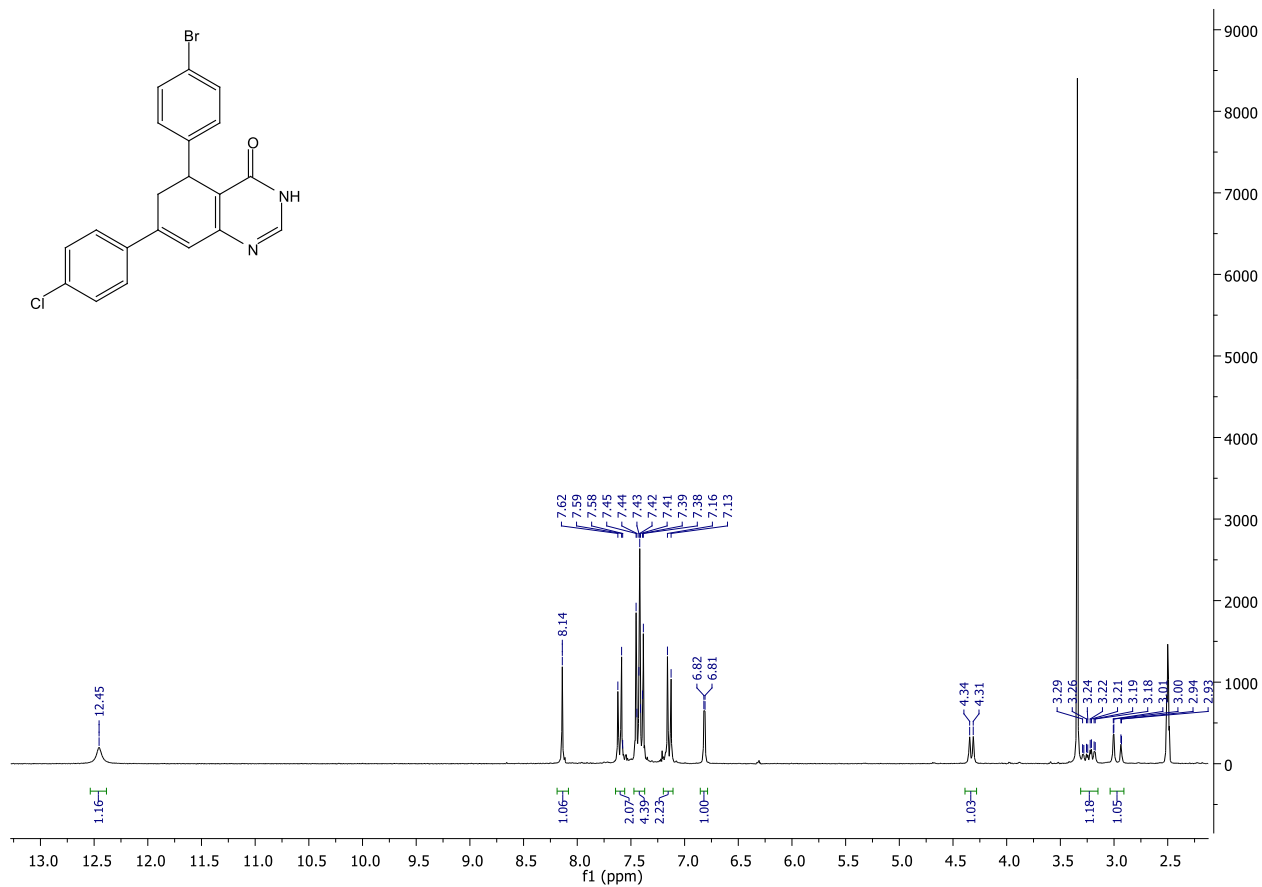
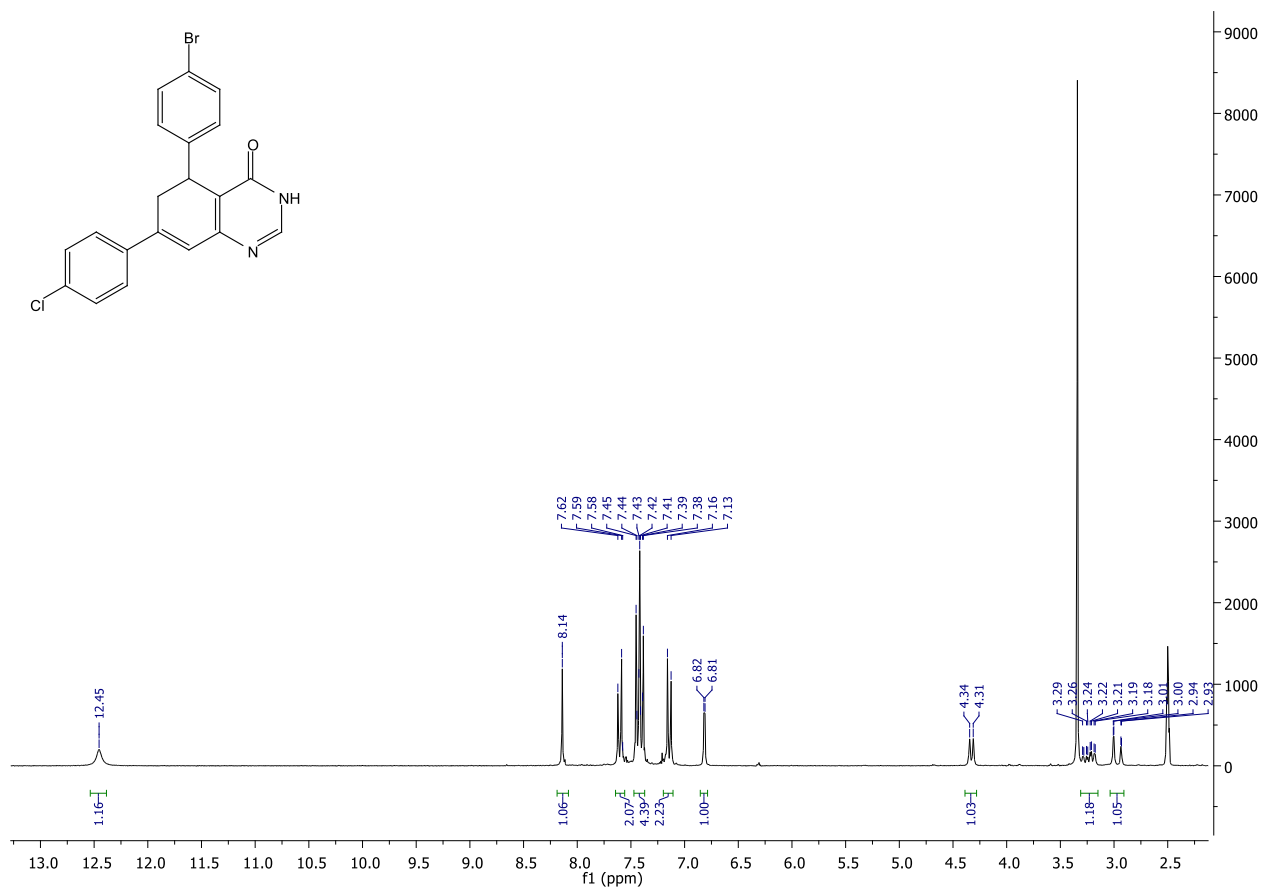
5-(4-Methoxyphenyl)-7-phenyl-5,6-dihydroquinazolin-4(3H)-one **7d** .



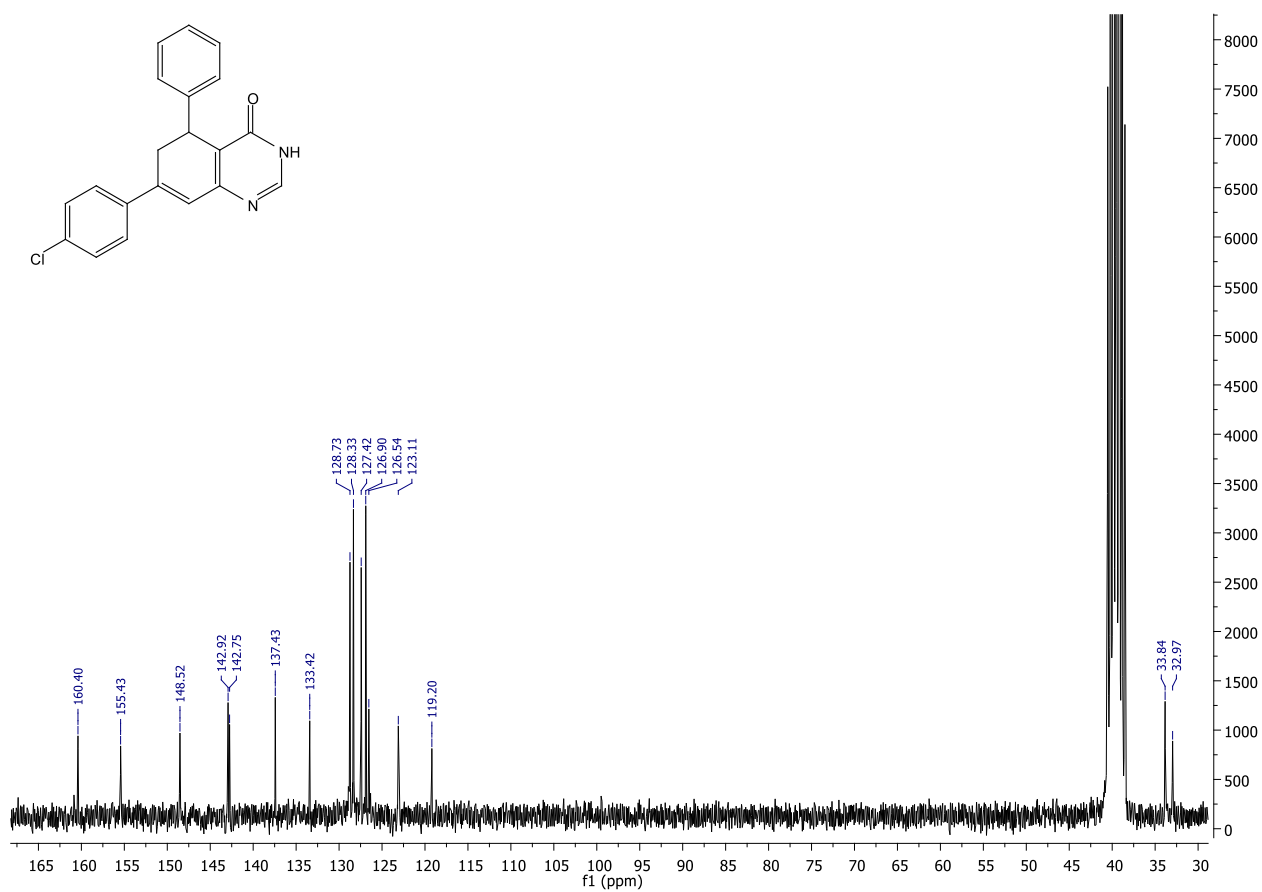
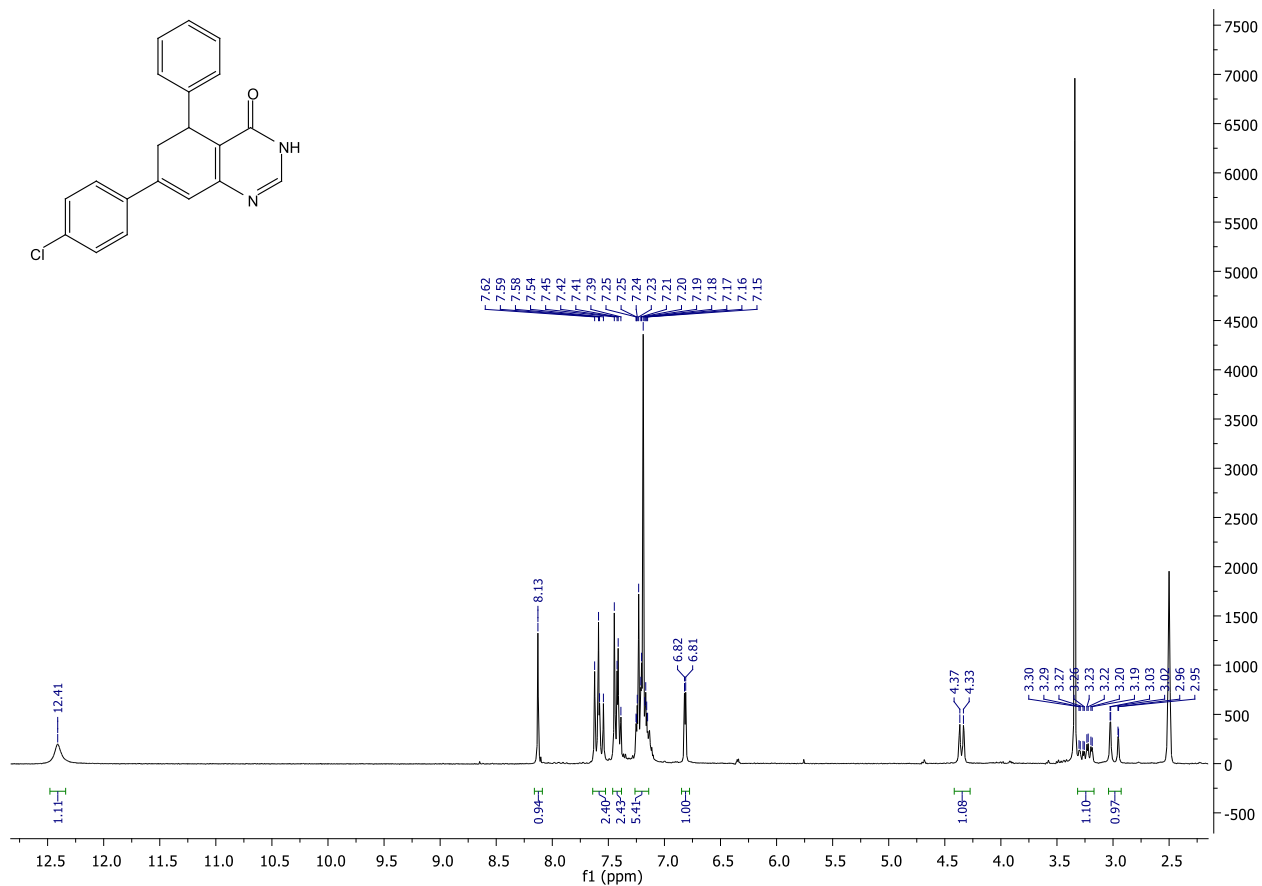
5,7-Bis(4-chlorophenyl)-5,6-dihydroquinazolin-4(3H)-one **7f** .



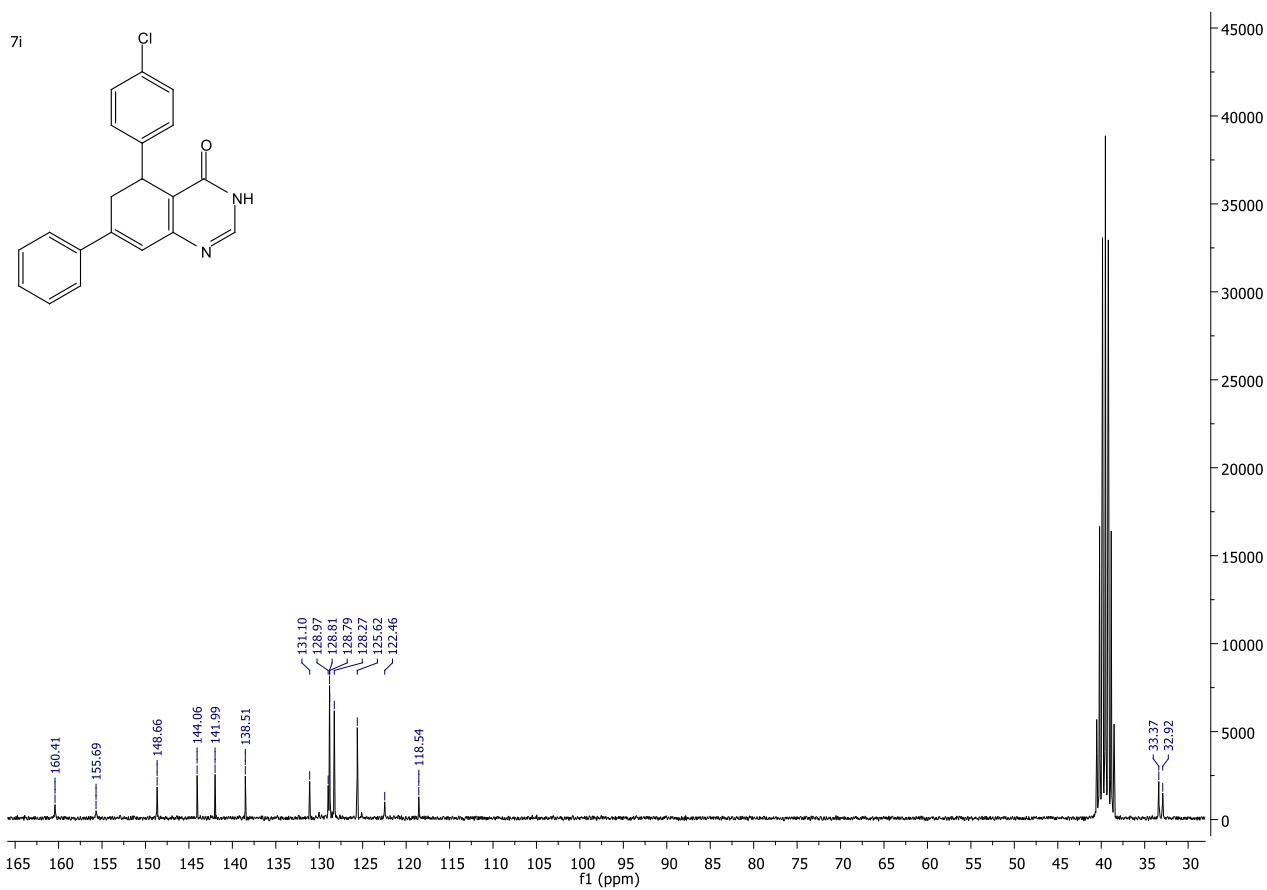
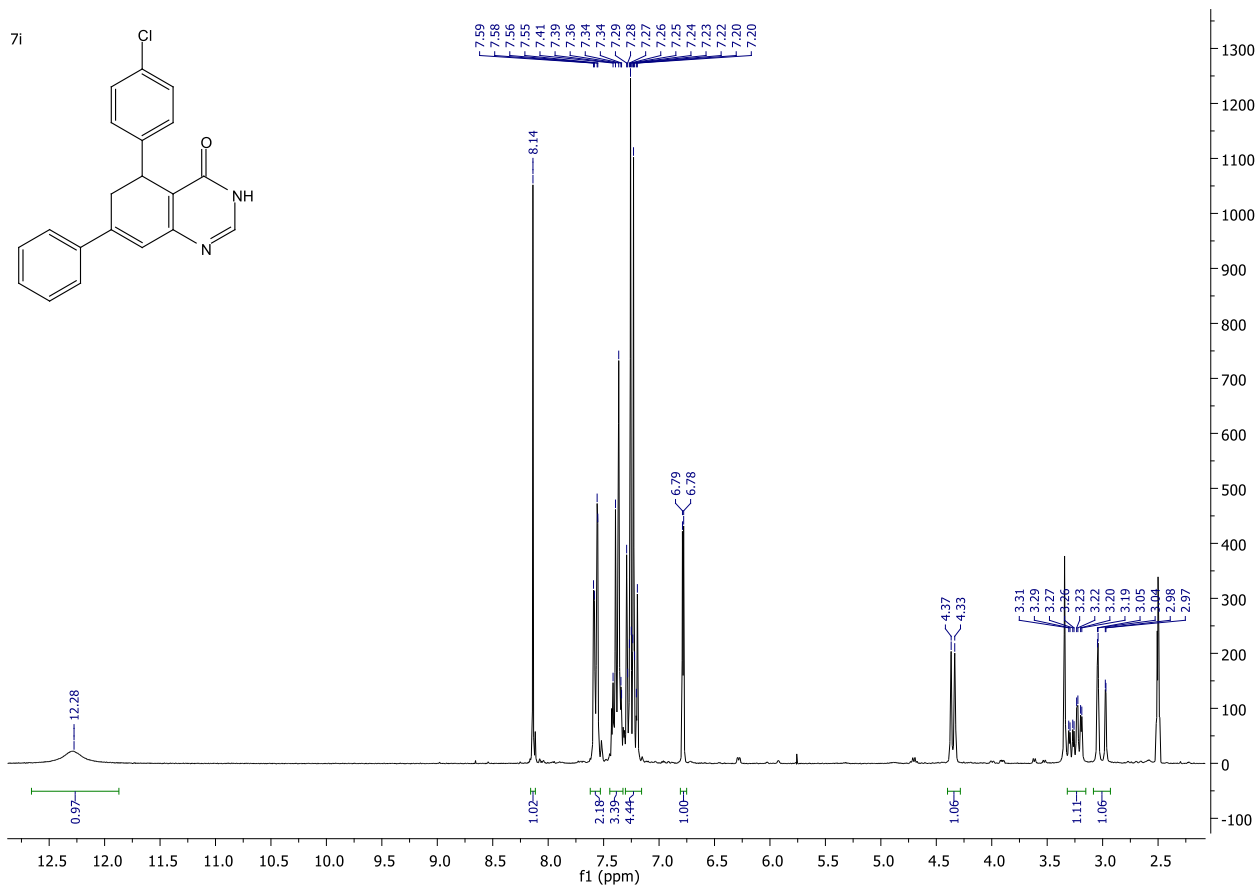
5-(4-Bromophenyl)-7-(4-chlorophenyl)-5,6-dihydroquinazolin-4(3H)-one **7g** .



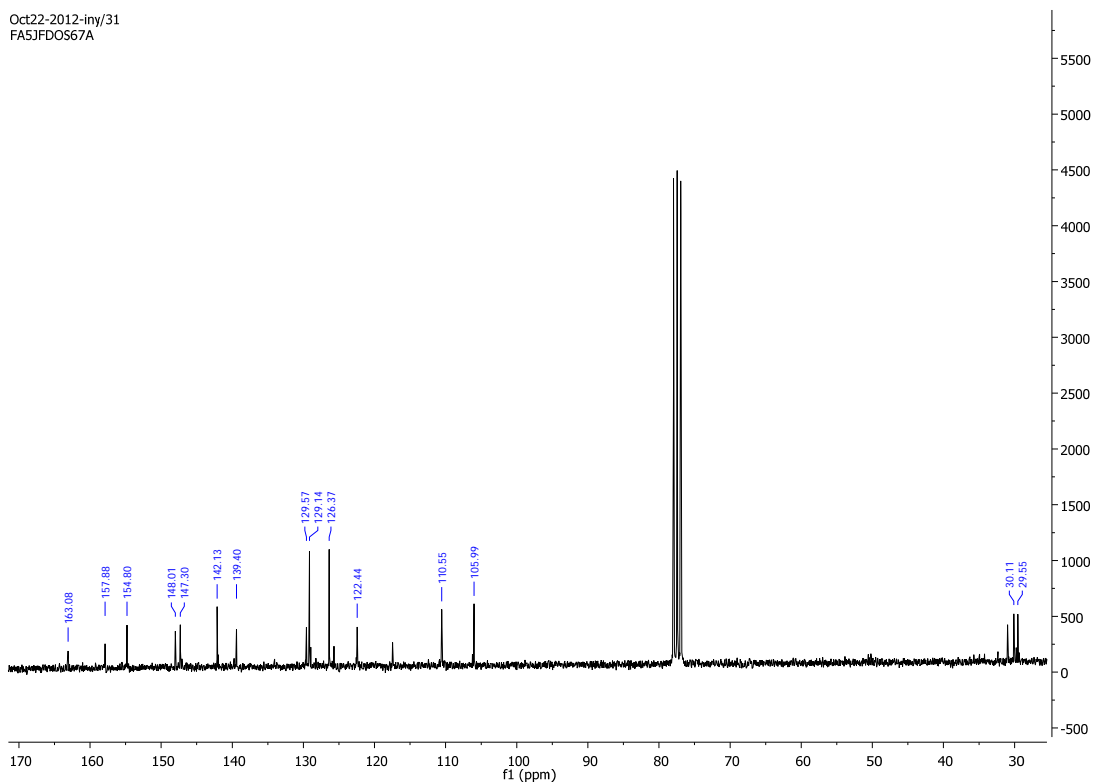
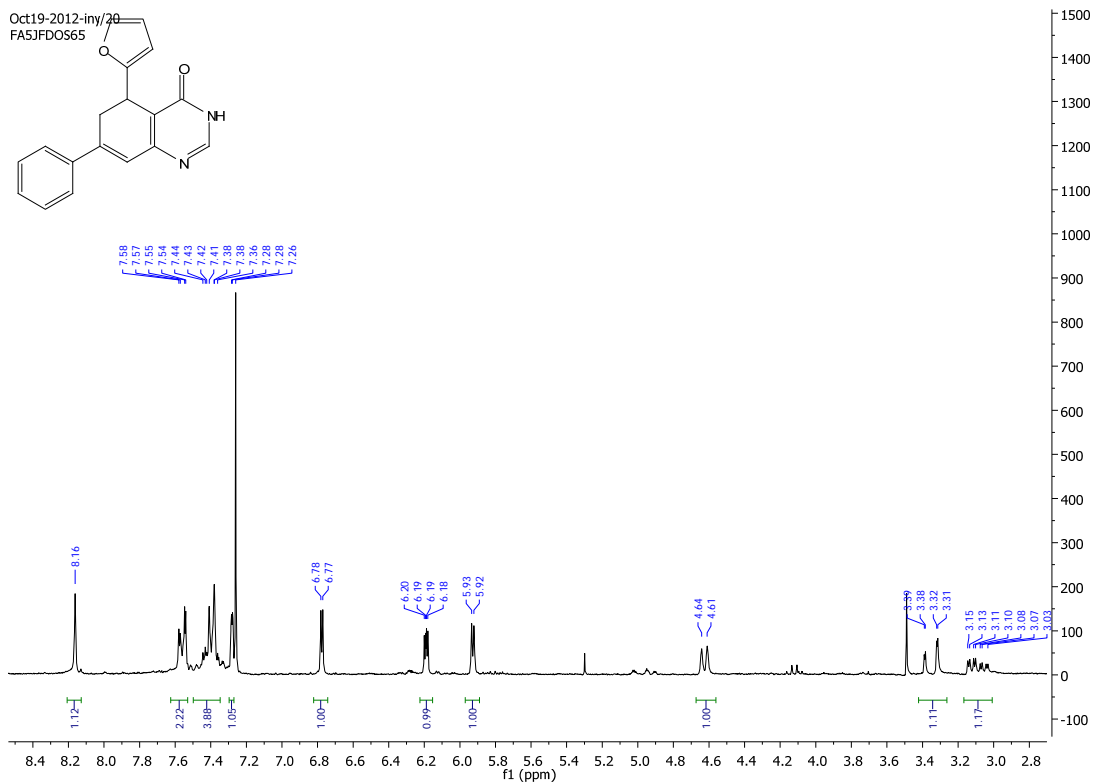
7-(4-Chlorophenyl)-5-phenyl-5,6-dihydroquinazolin-4(3H)-one **7h** .



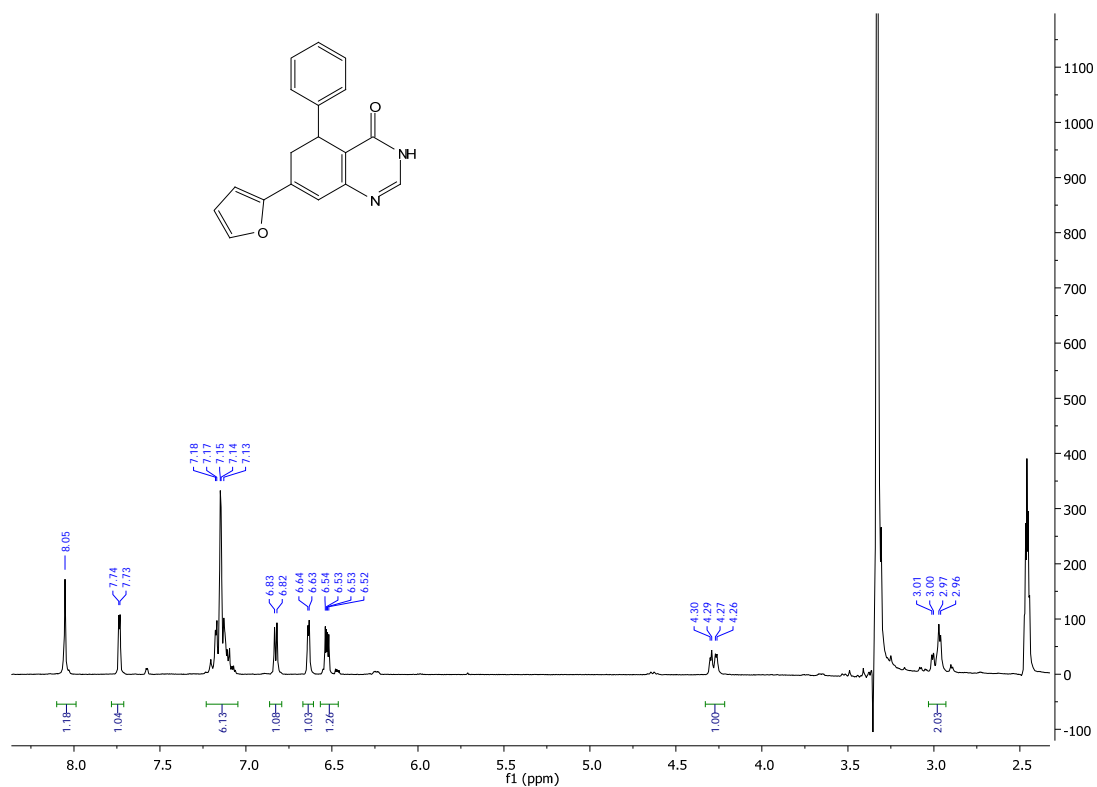
5-(4-Chlorophenyl)-7-phenyl-5,6-dihydroquinazolin-4(3H)-one **7i** .



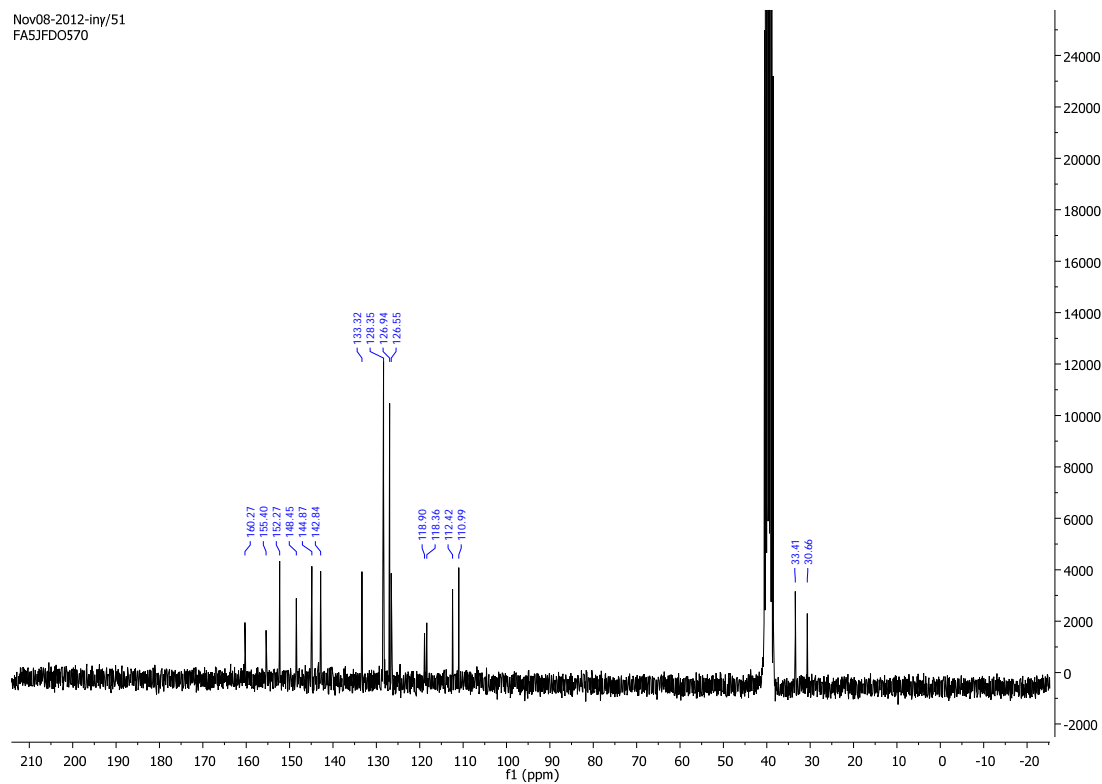
5-(2-Furanyl)-7-phenyl-5,6-dihydroquinazolin-4(3H)-one **7j** .



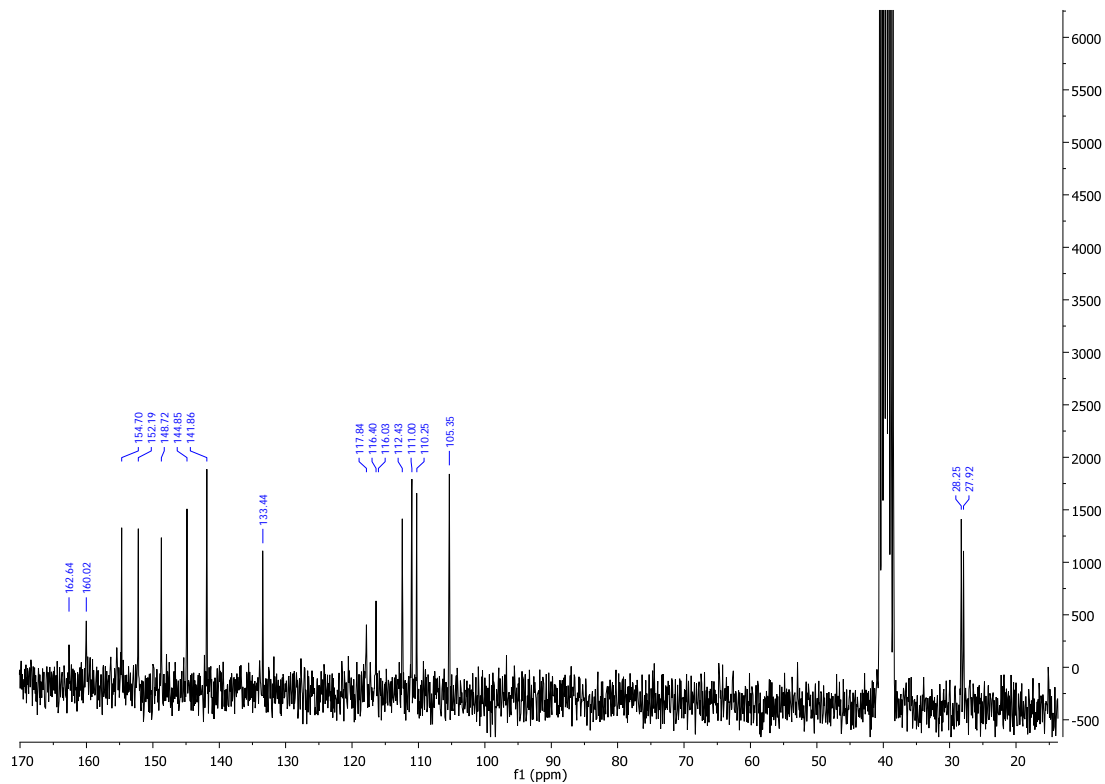
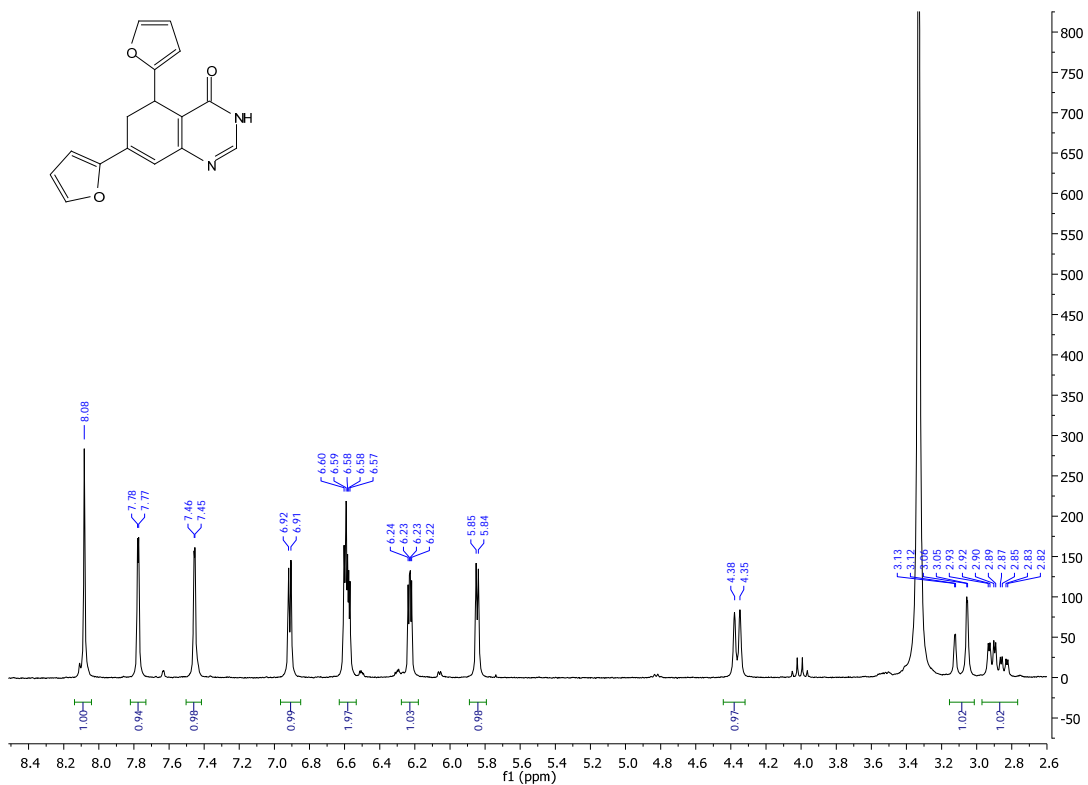
5-(2-phenyl)-7-Furanyl-5,6-dihydroquinazolin-4(3H)-one **7K**.



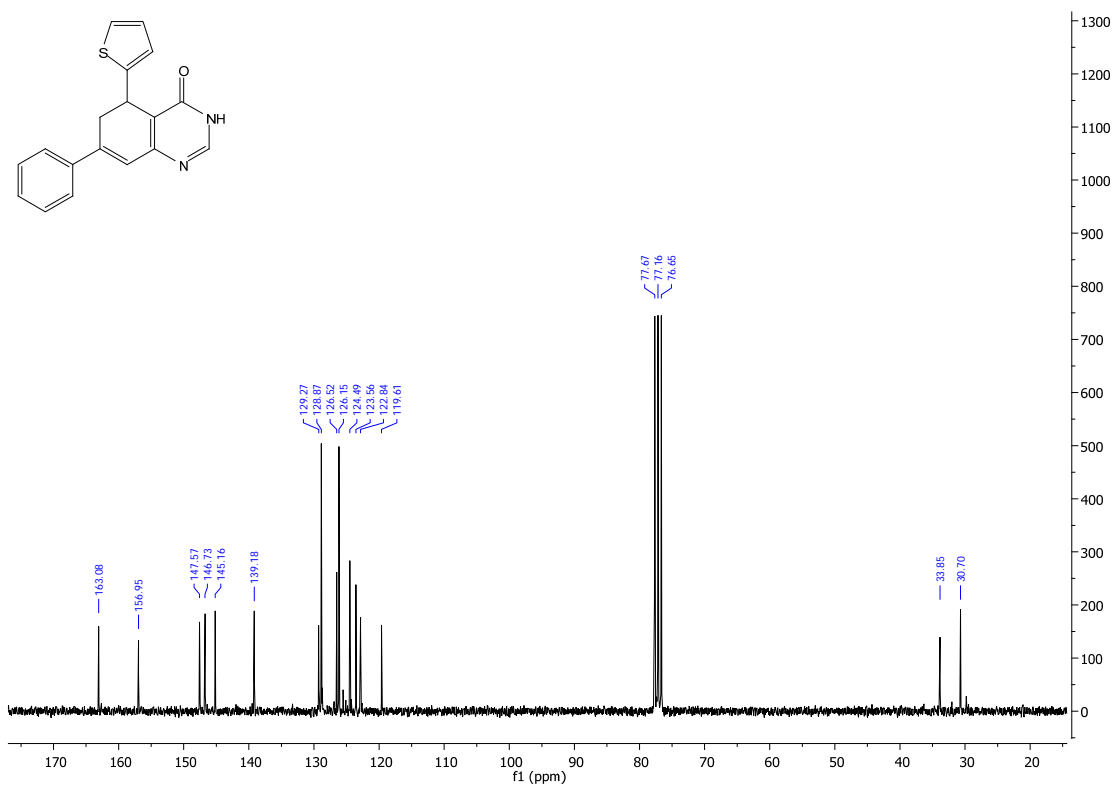
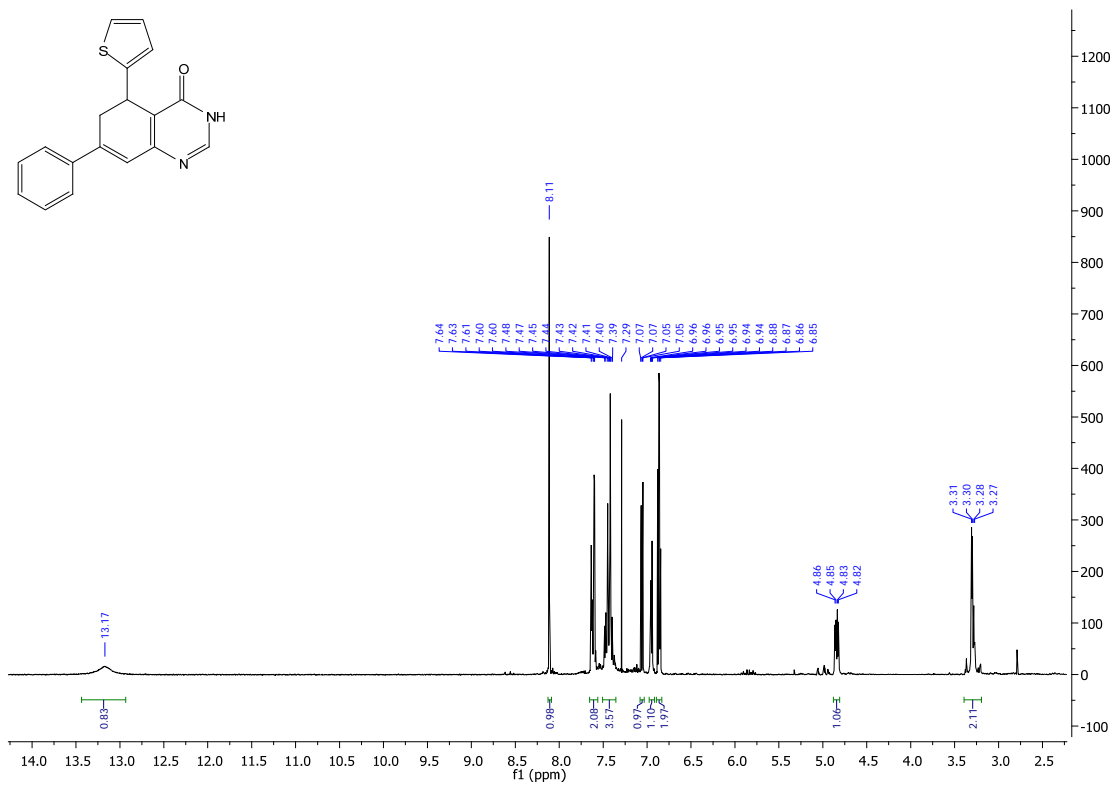
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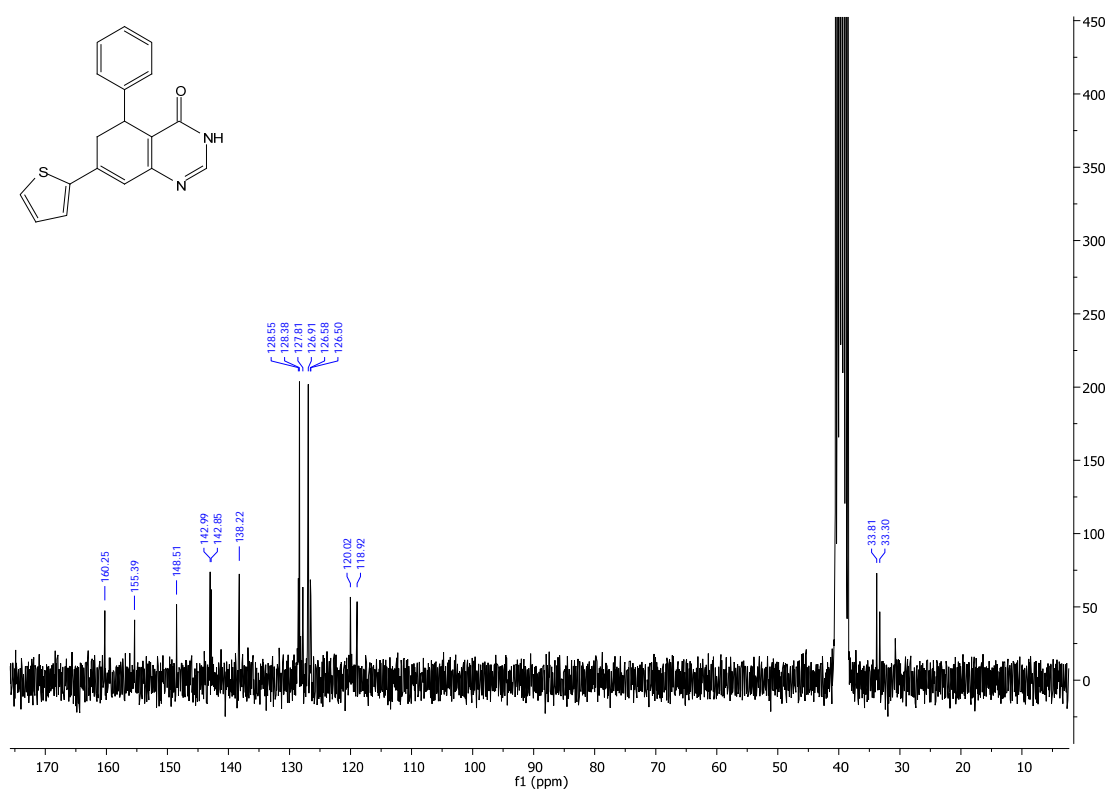
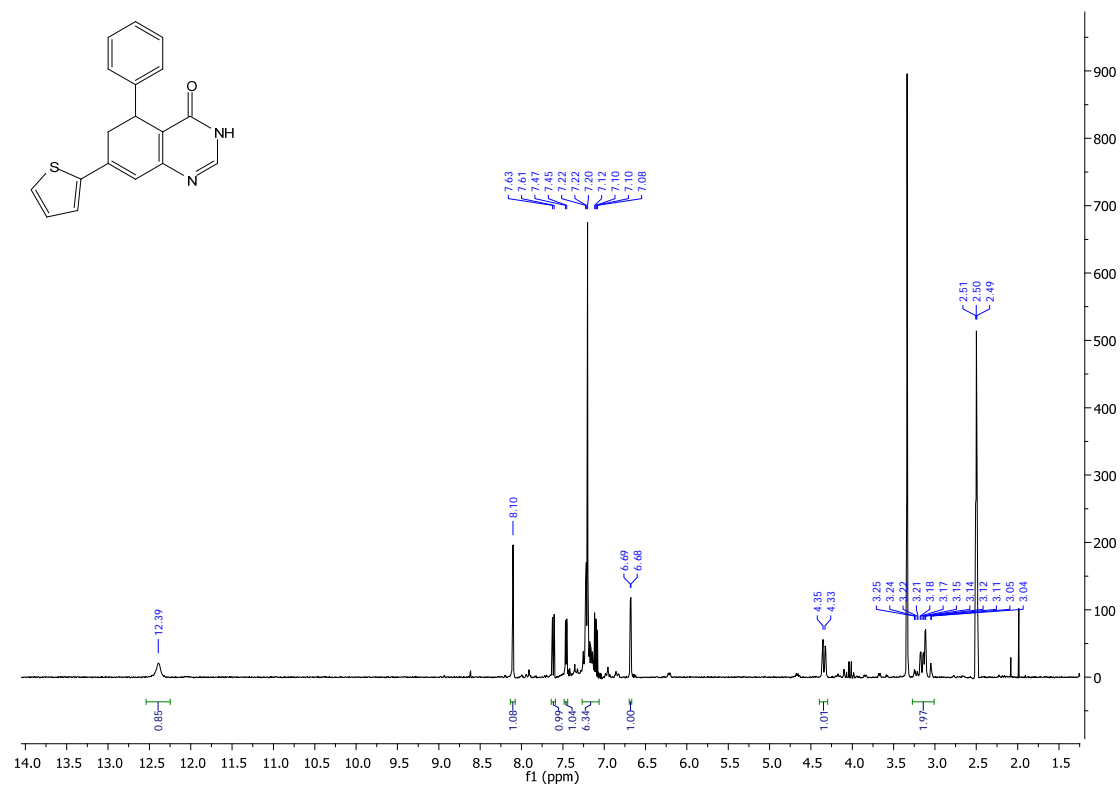
5,7-di-(2-Furanyl)-5,6-dihydroquinazolin-4(3H)-one **71**.



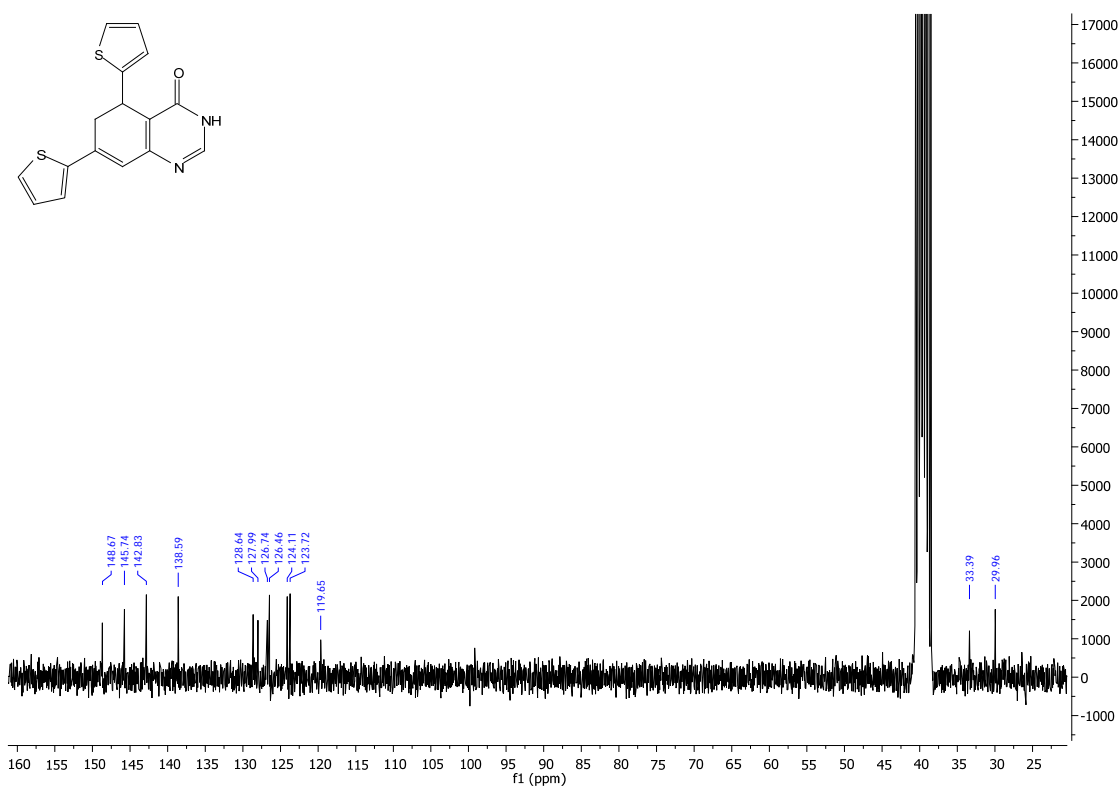
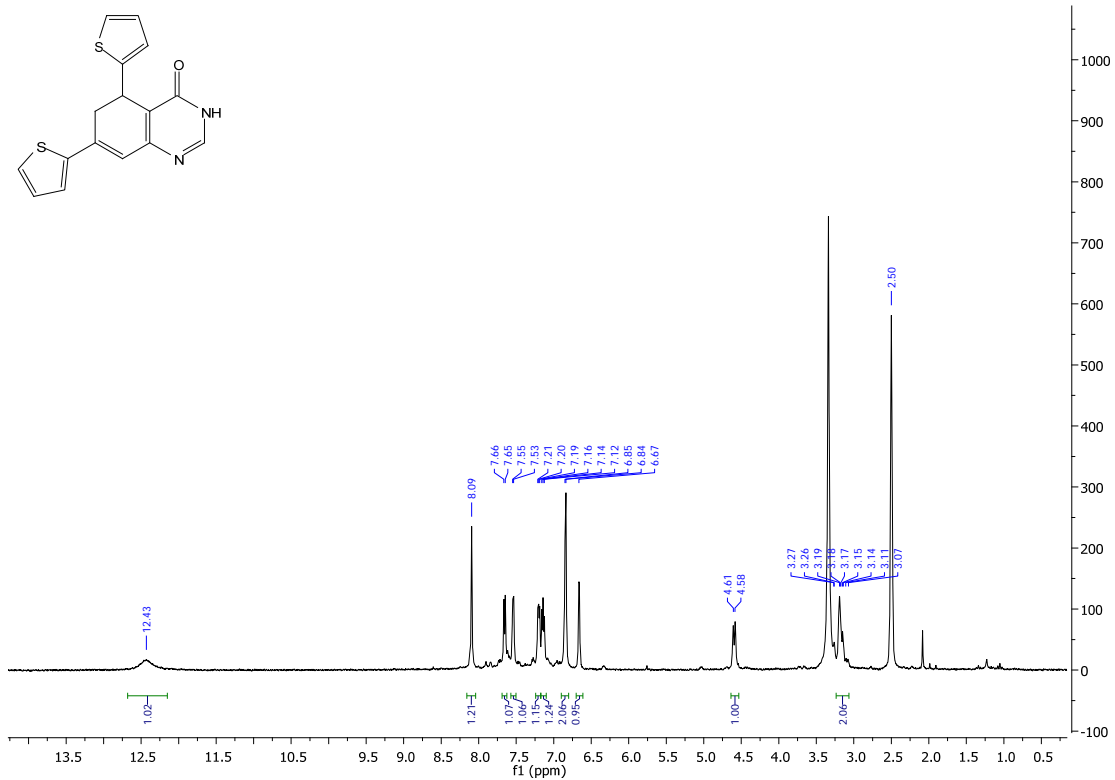
5-(2-Thienyl)-7-phenyl-5,6-dihydroquinazolin-4(3H)-one 7m.



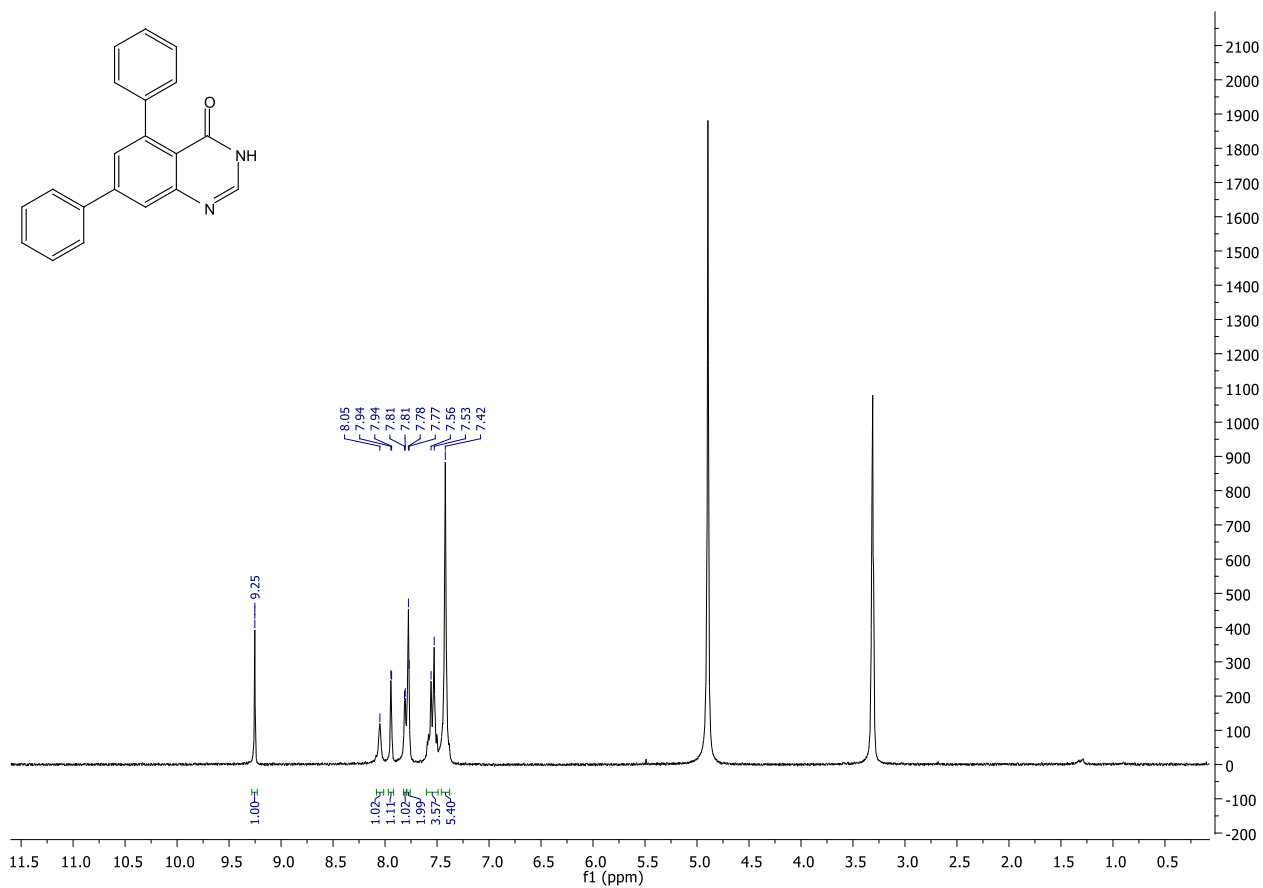
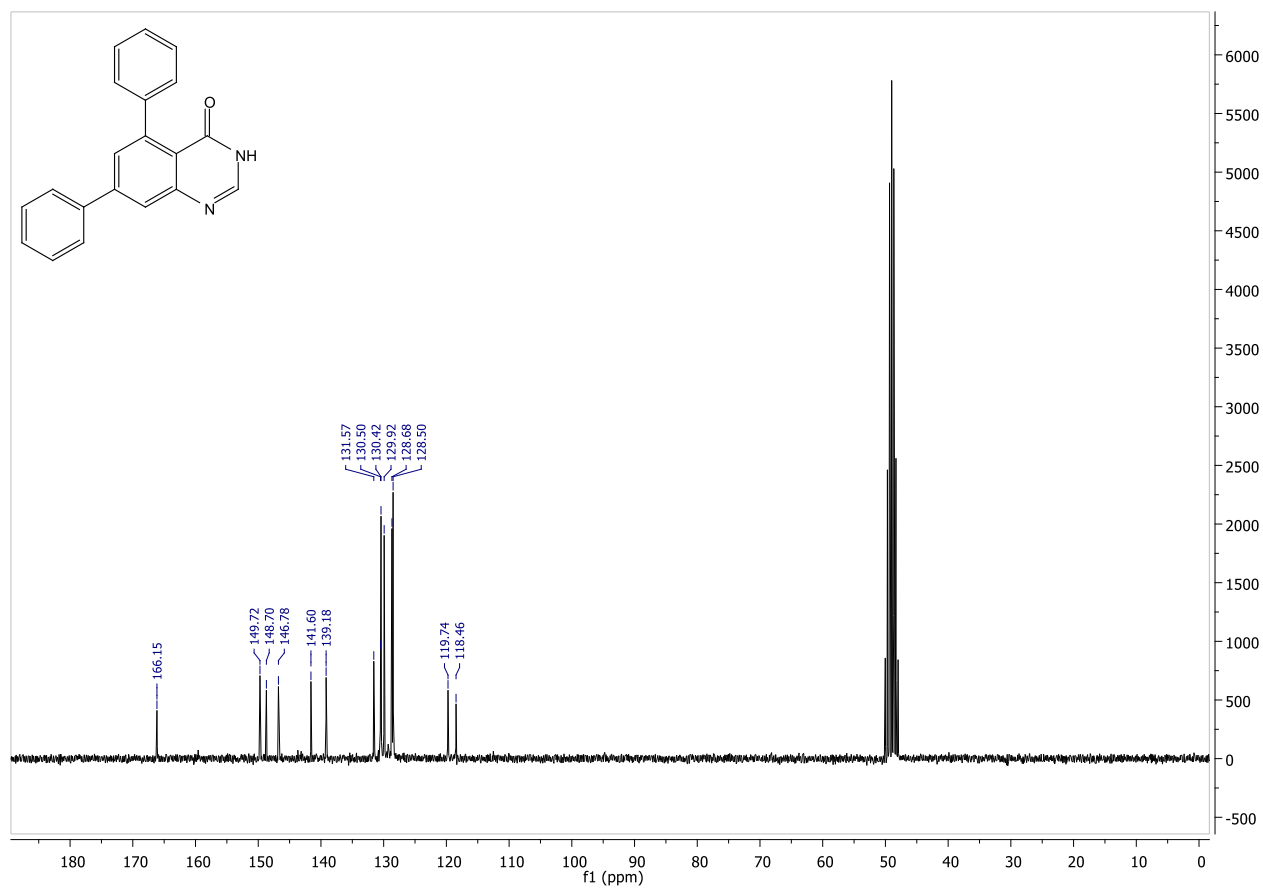
5-(2-phenyl)-7-Thienyl -5,6-dihydroquinazolin-4(3H)-one 7n.



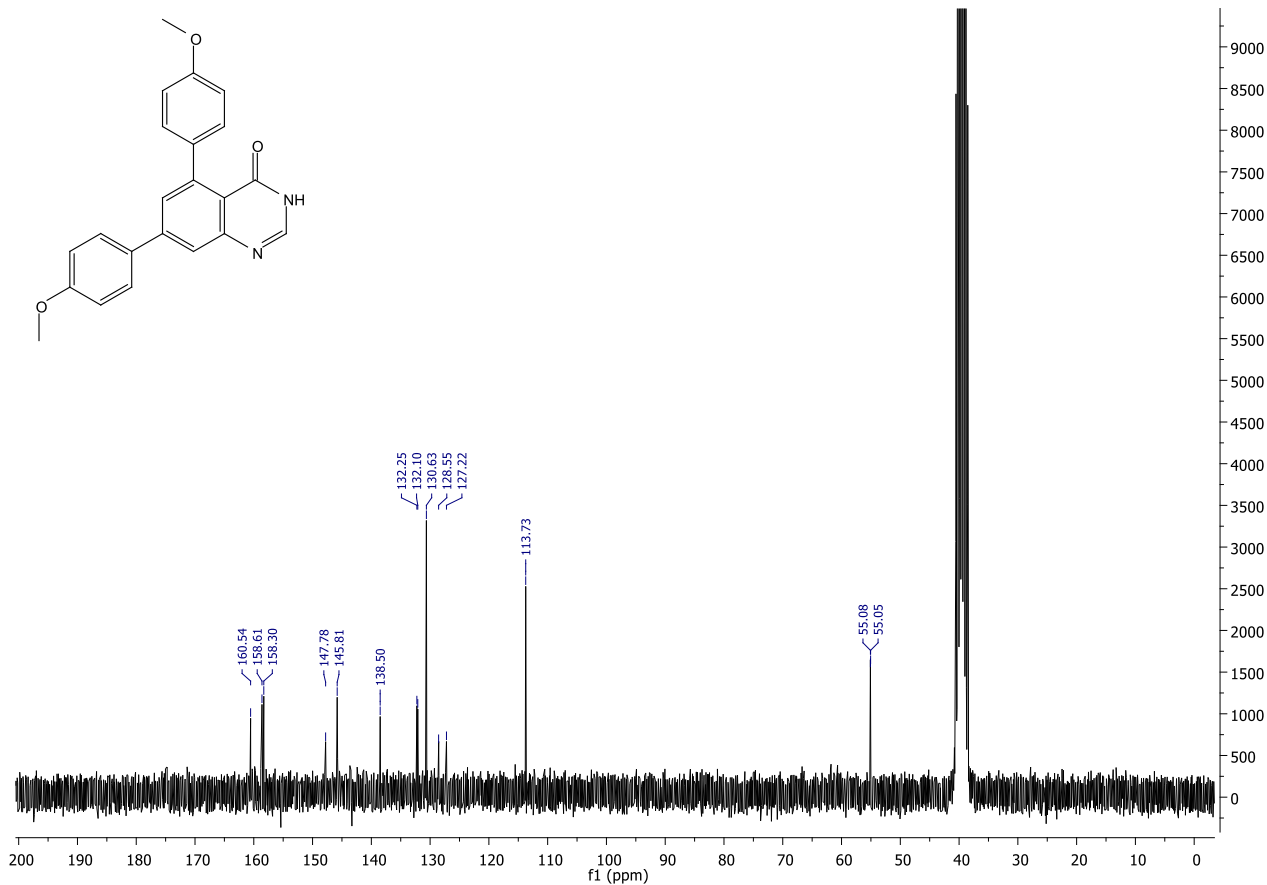
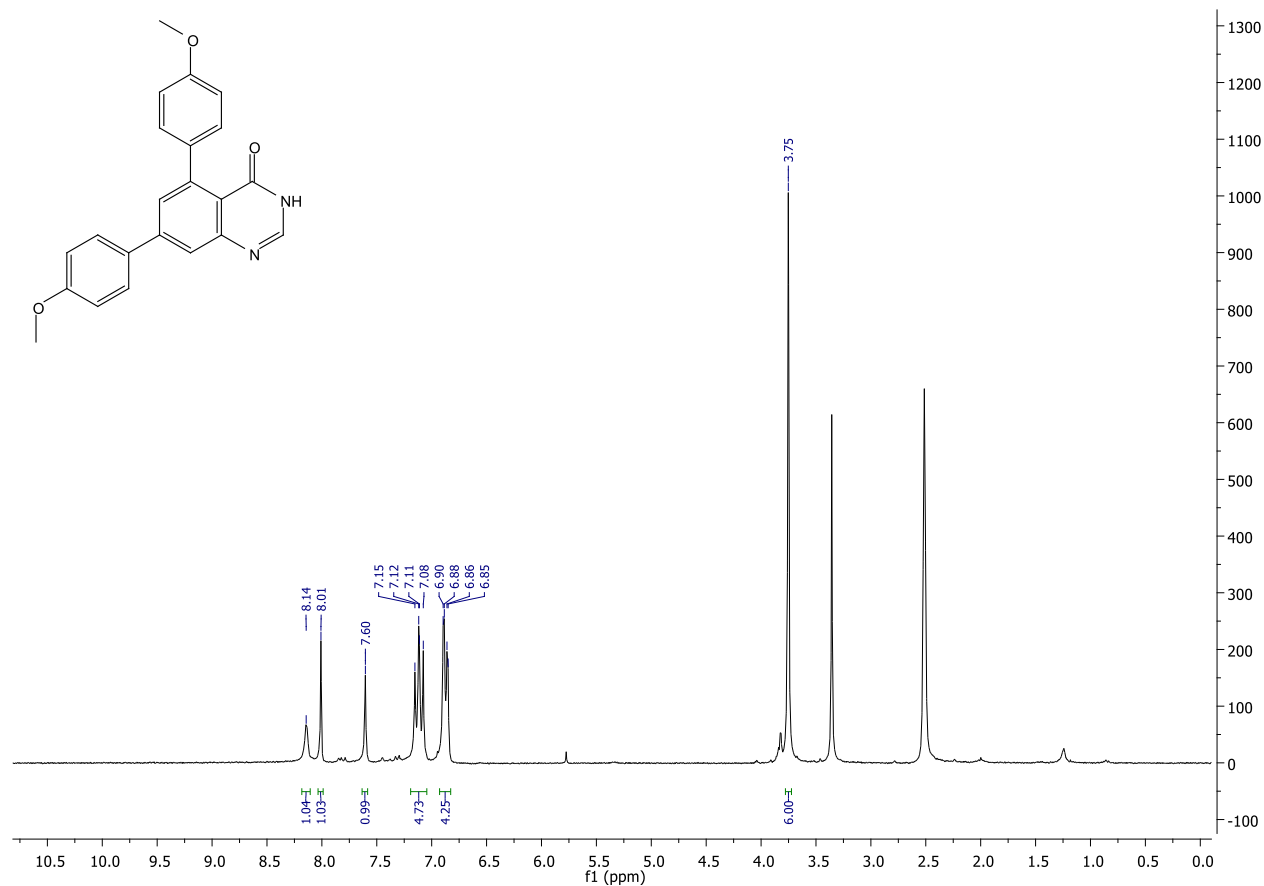
5,7-di-(2-Thienyl)-5,6-dihydroquinazolin-4(3H)-one 7o.



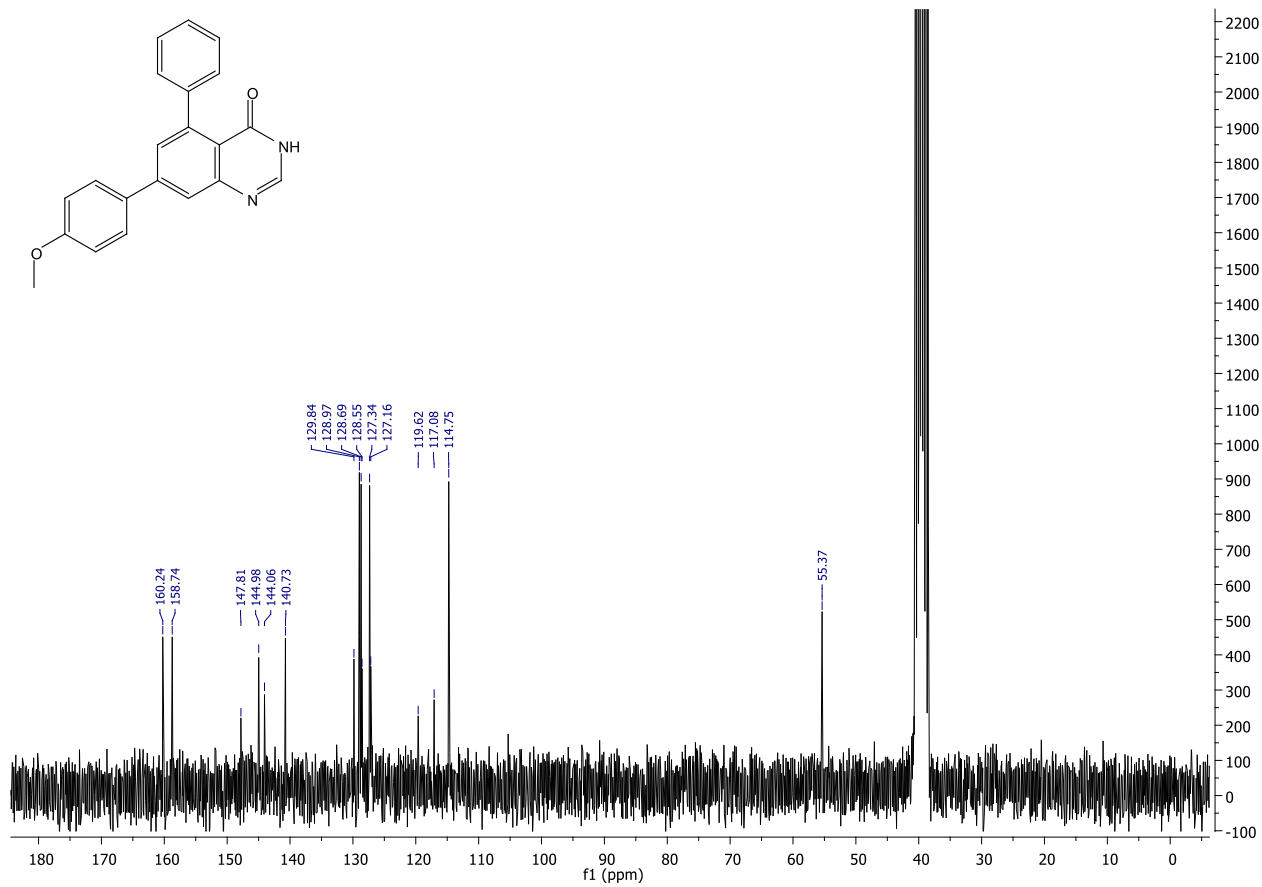
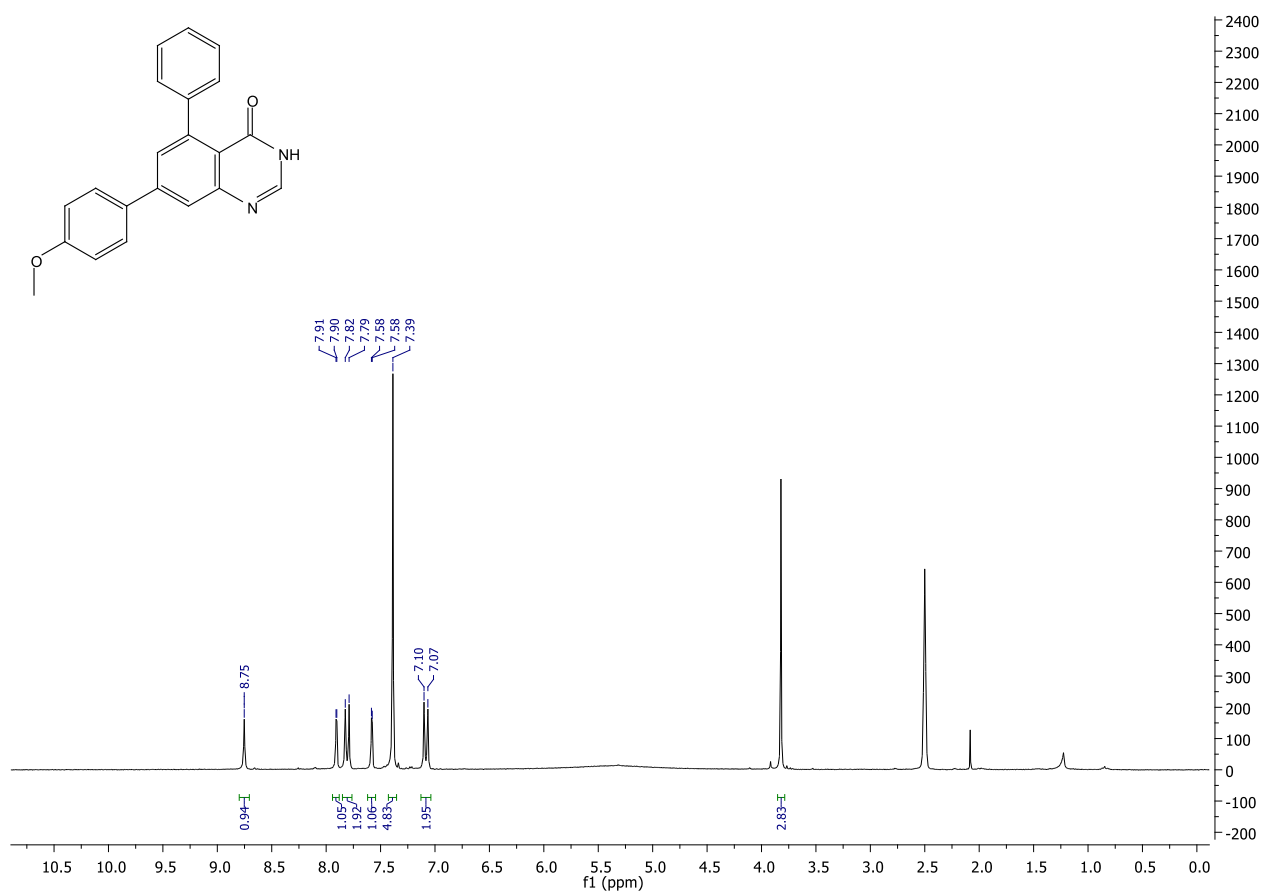
5,7-Diphenyl-5,6-quinazolin-4(3H)-one **8a**



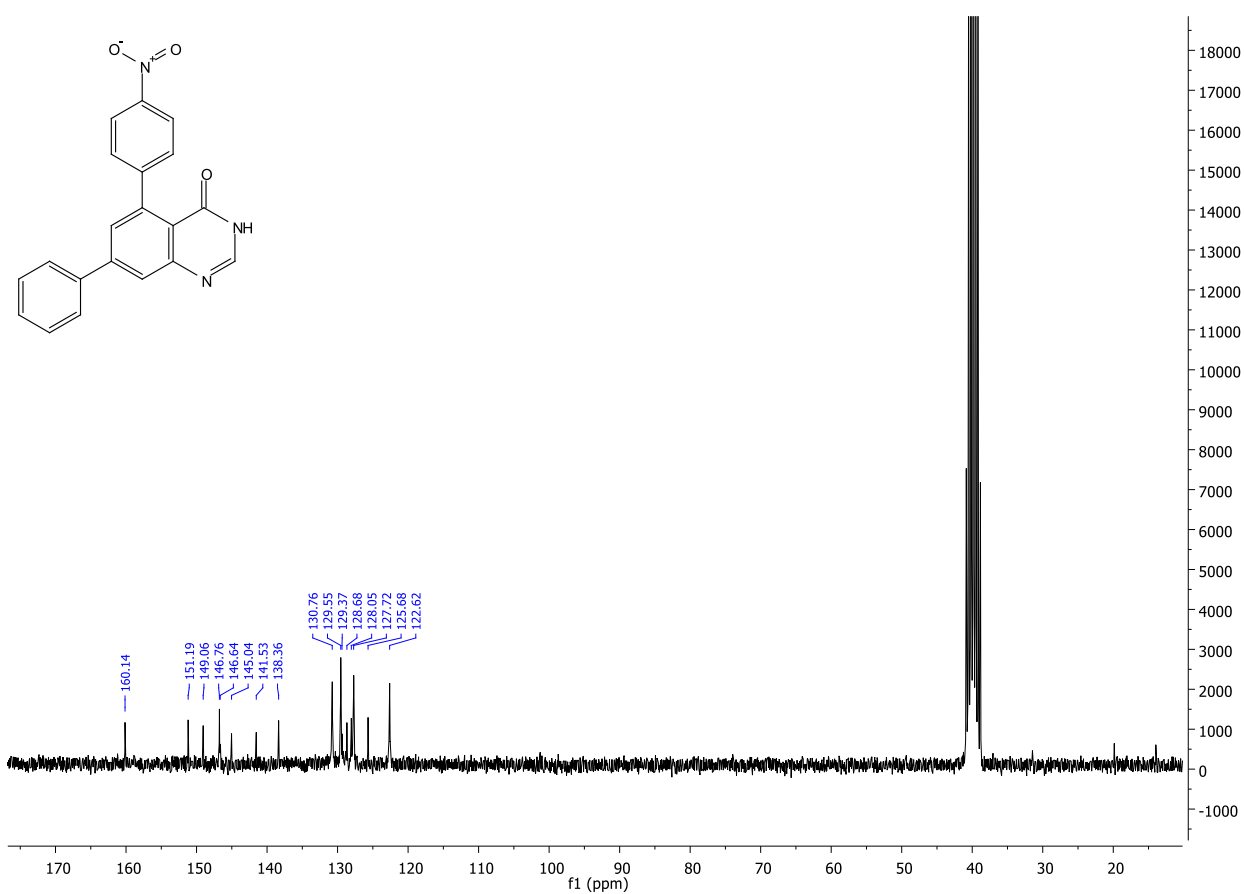
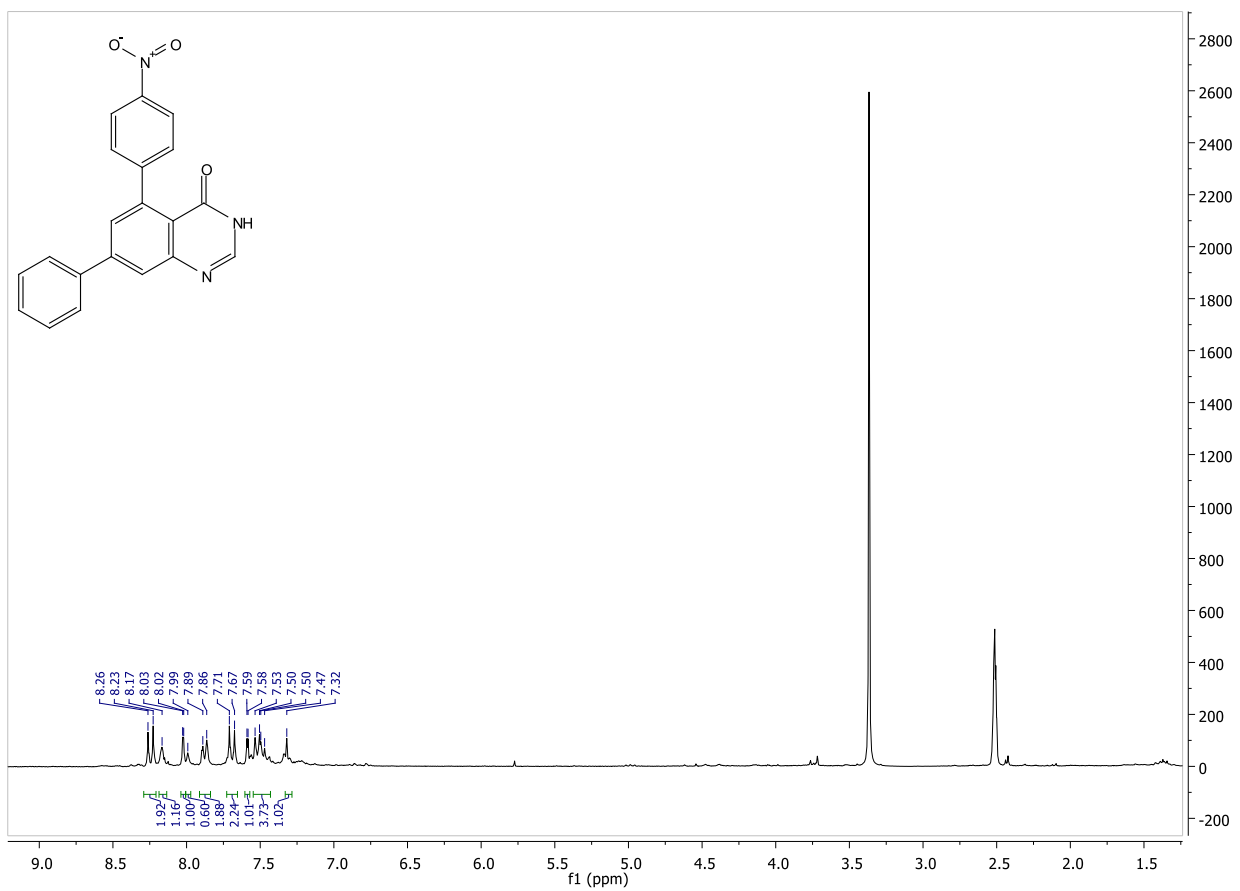
5,7-Bis(4-methoxyphenyl)quinazolin-4(3H)-one **8b**



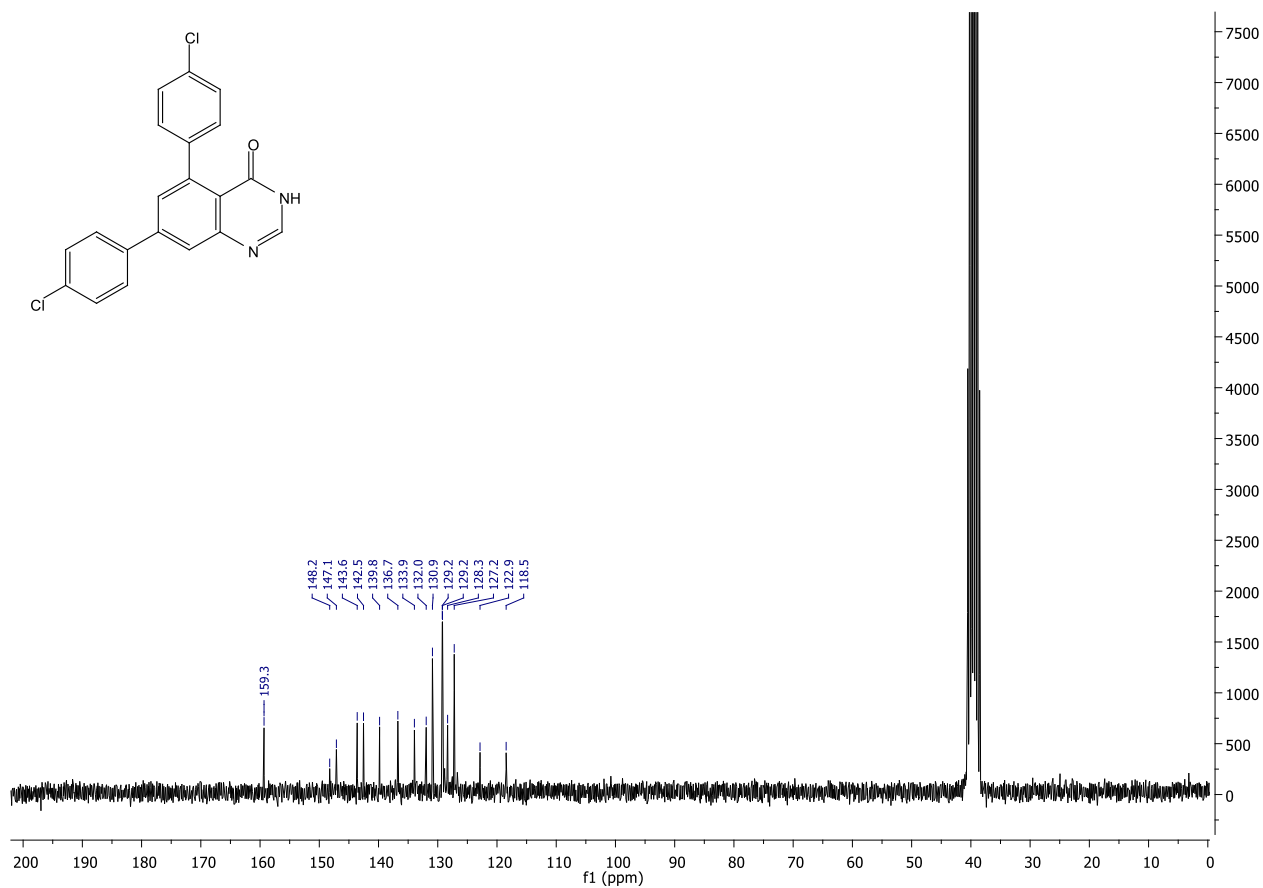
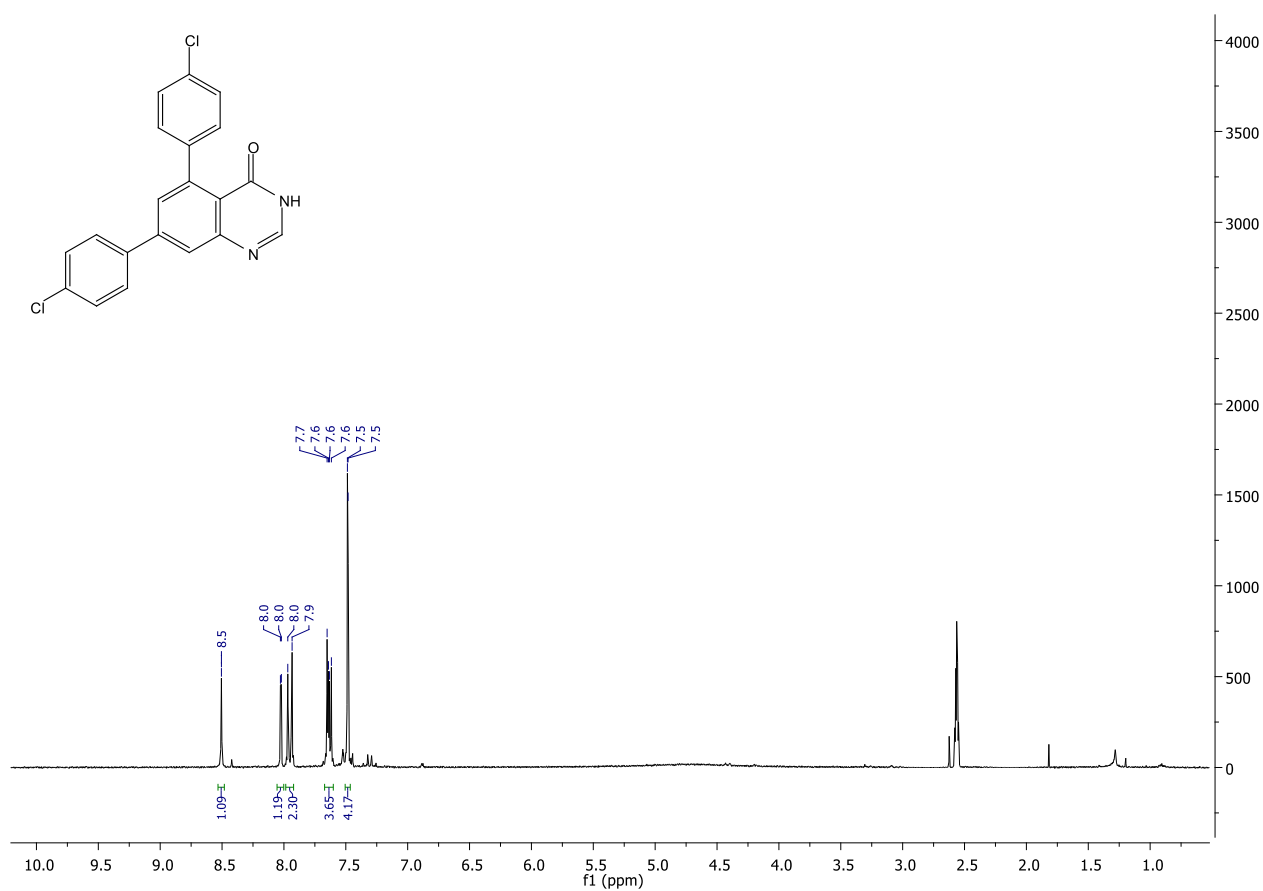
7-(4-Methoxyphenyl)-5-phenylquinazolin-4(3H)-one **8c**



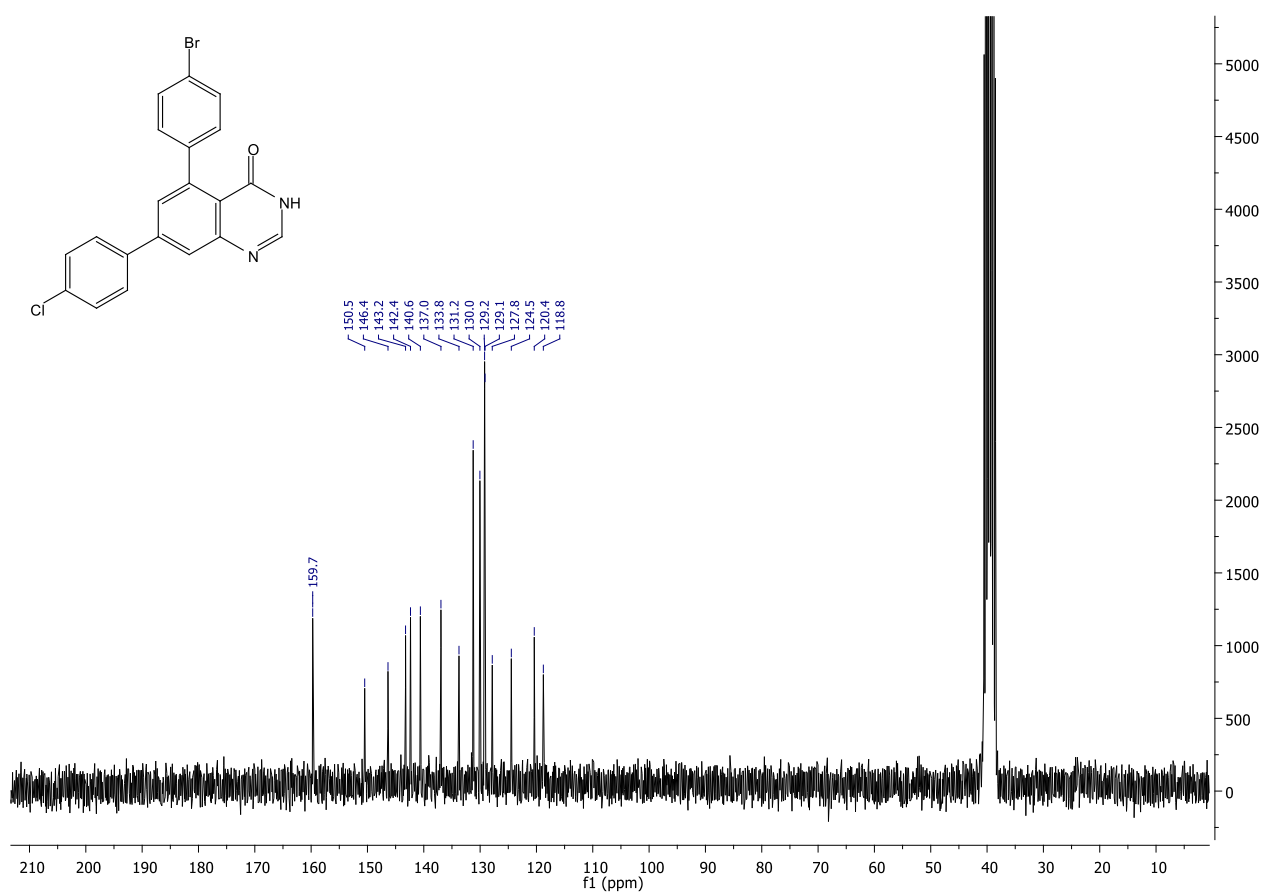
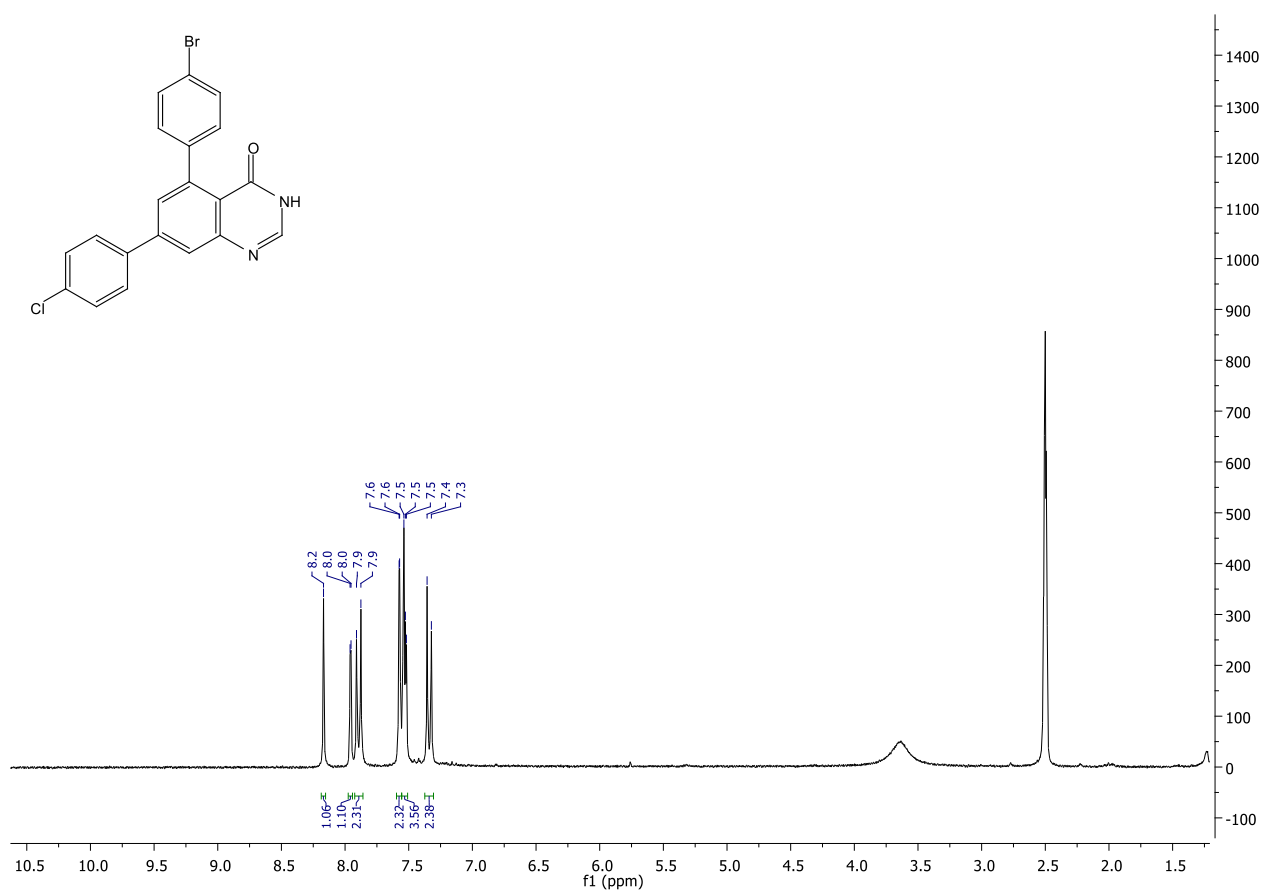
5-(4-Nitrophenyl)-7-phenylquinazolin-4(3H)-one **8e**



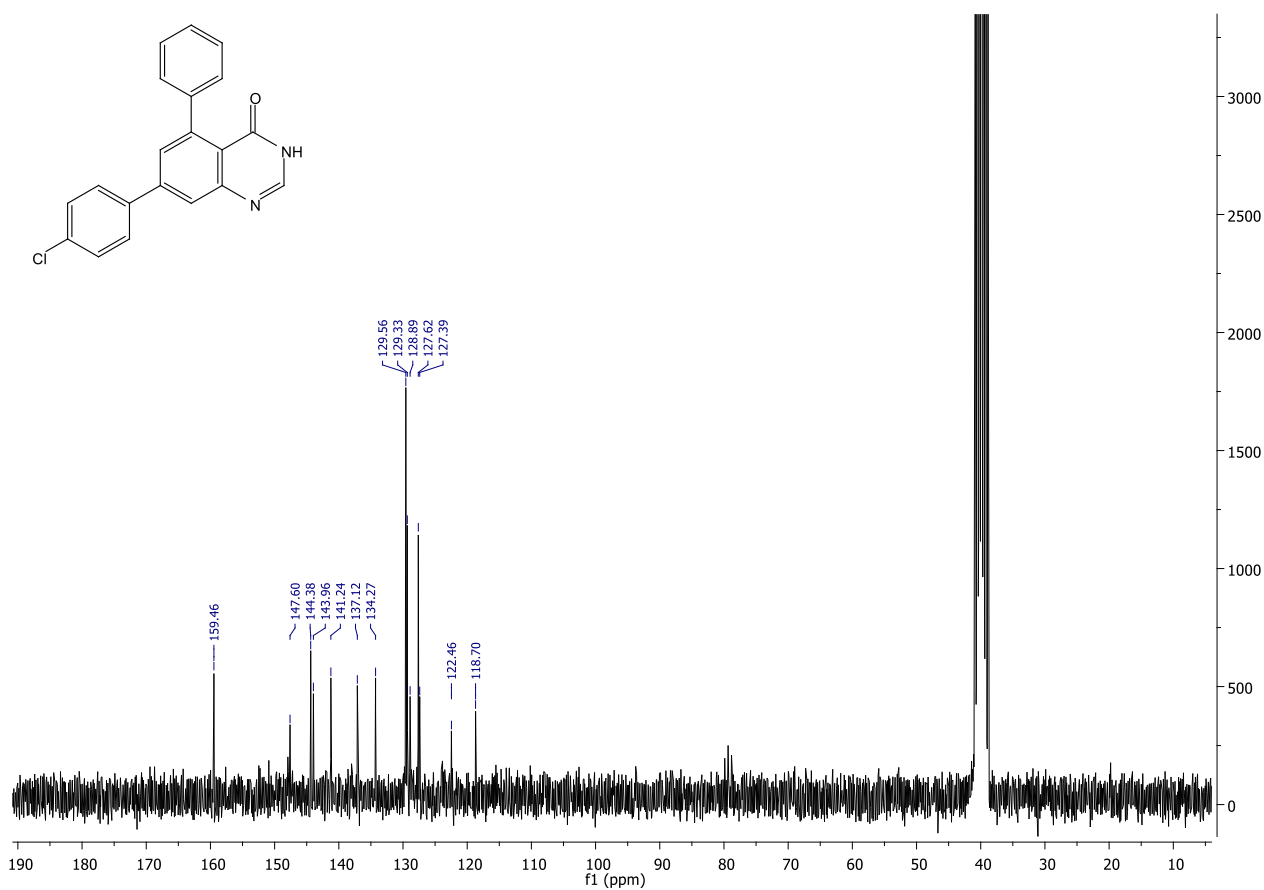
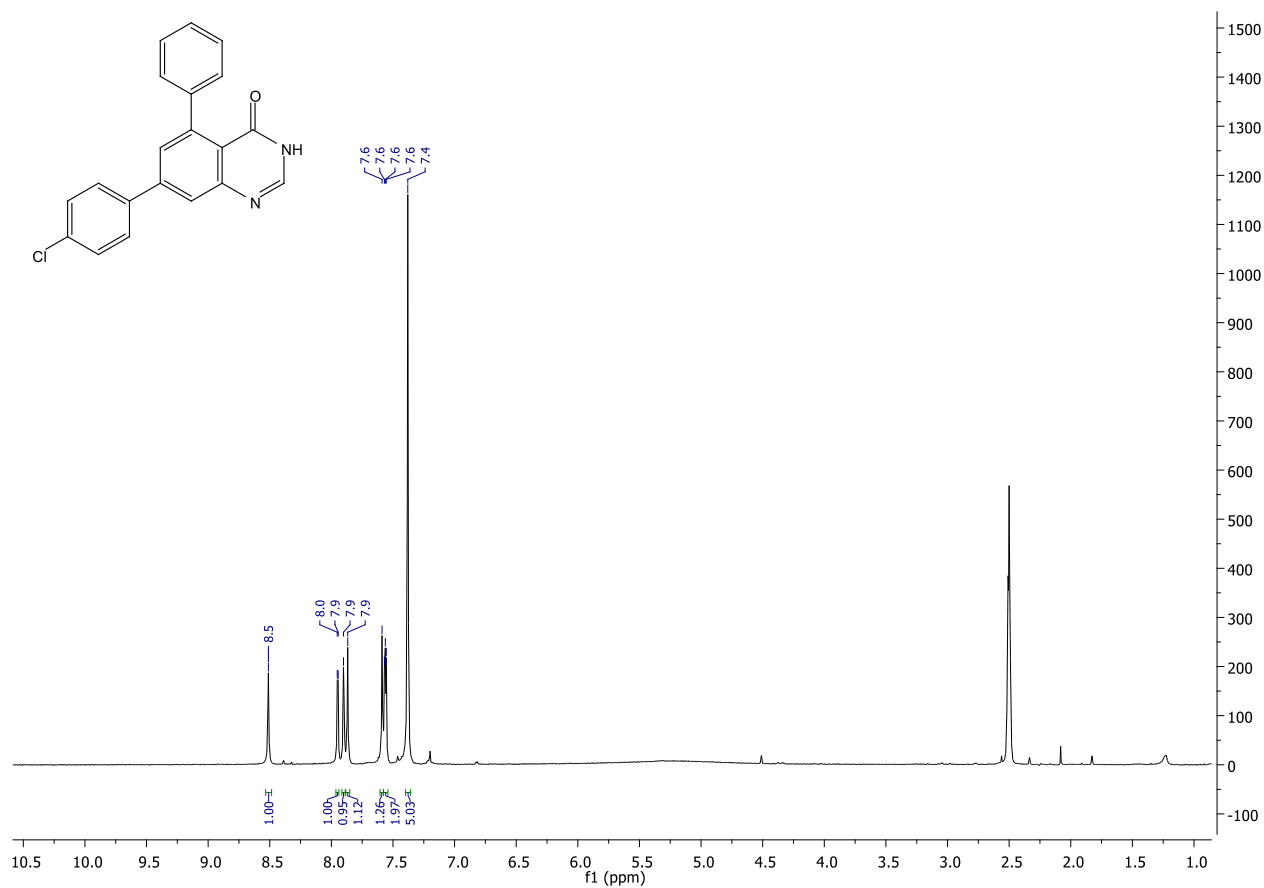
5,7-Bis(4-chlorophenyl)quinazolin-4(3H)-one **8f**



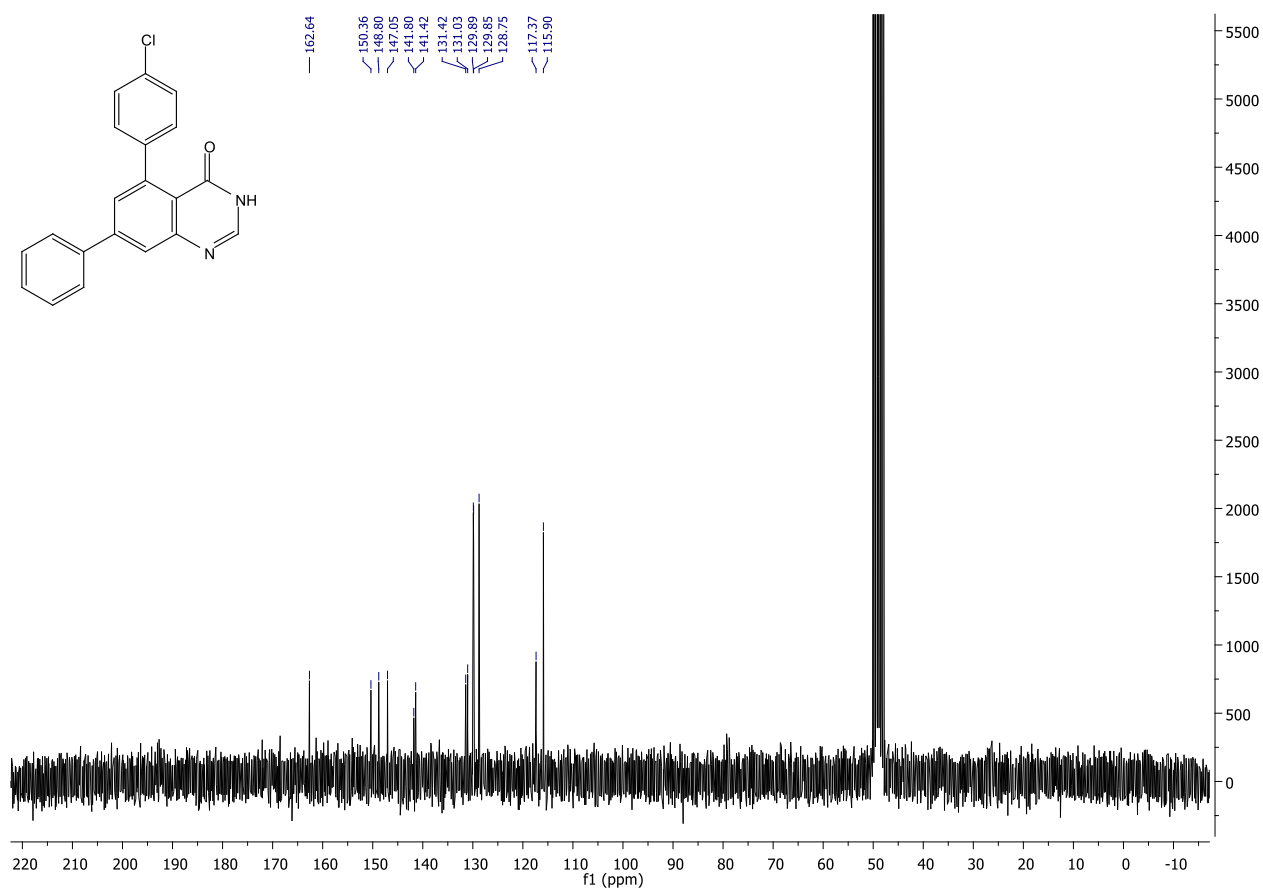
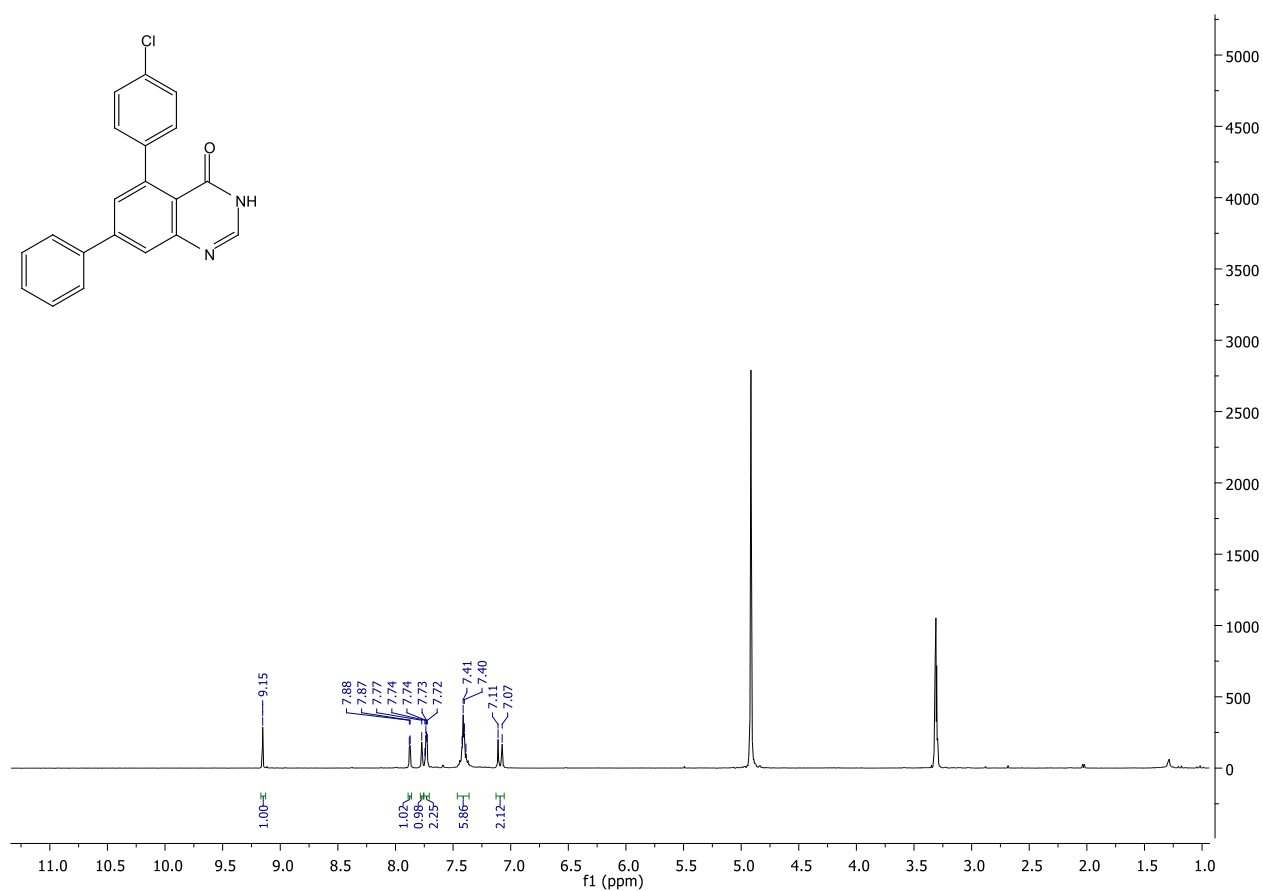
5-(4-Bromophenyl)-7-(4-chlorophenyl)quinazolin-4(3H)-one **8g**



7-(4-Chlorophenyl)-5-phenylquinazolin-4(3H)-one **8h**



5-(4-Chlorophenyl)-7-phenylquinazolin-4(3H)-one **8i**



5,7-di-(2-Furyl)-quinazolin-4(3H)-one **8j**.

