

Supporting Information

A one-pot process for the microwave-assisted synthesis of 7-substituted pyrazolo[1, 5-*a*]pyrimidine

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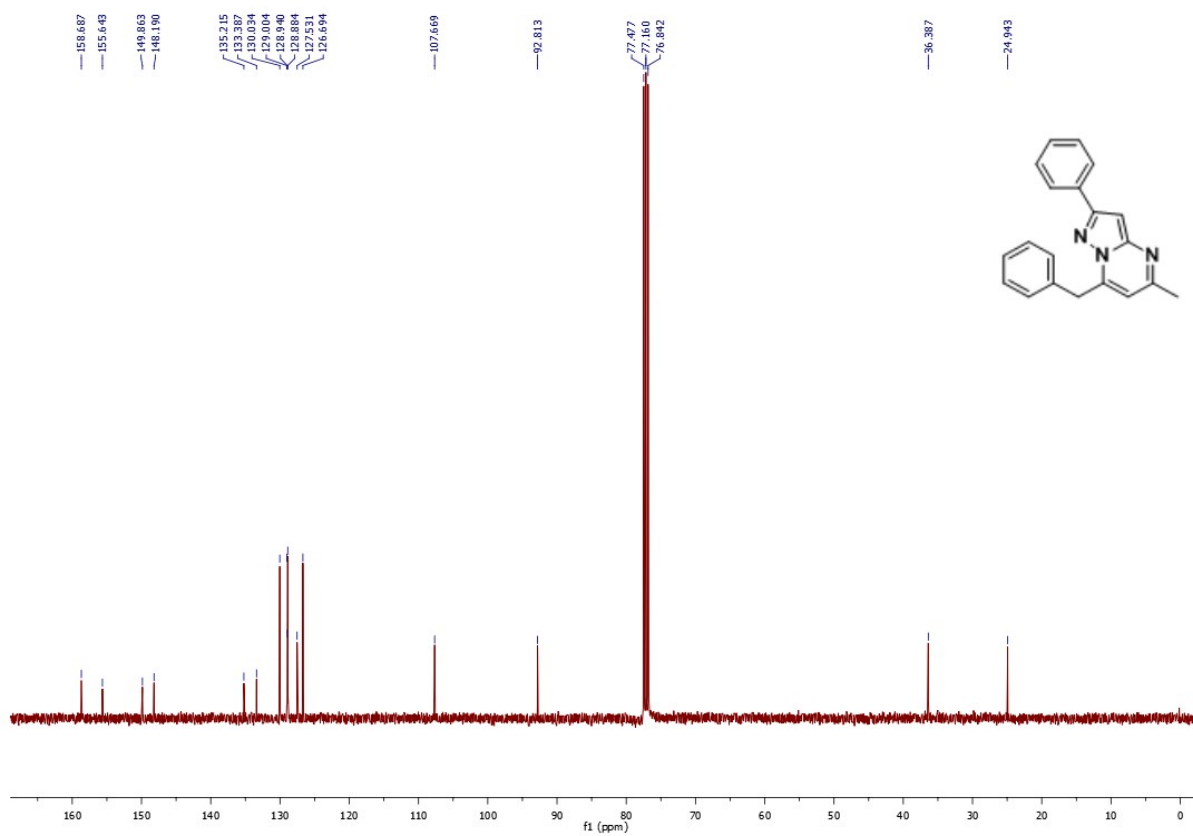
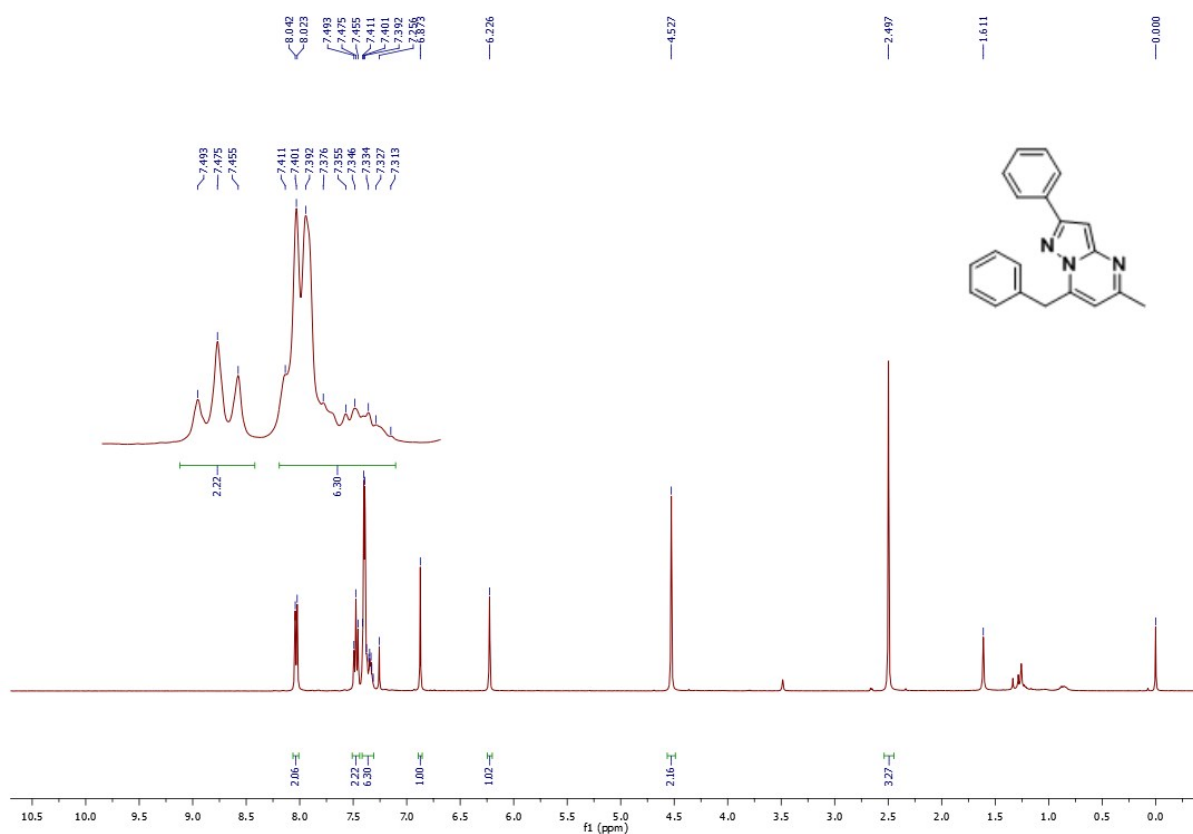
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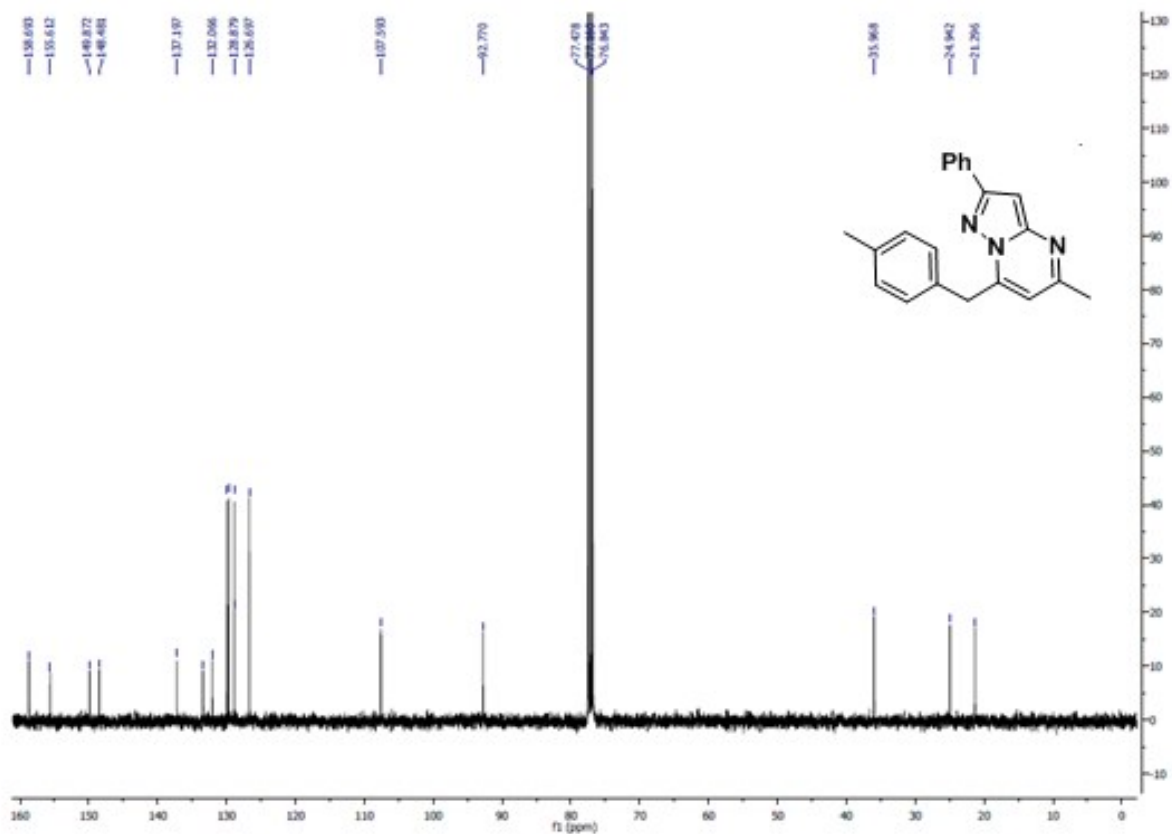
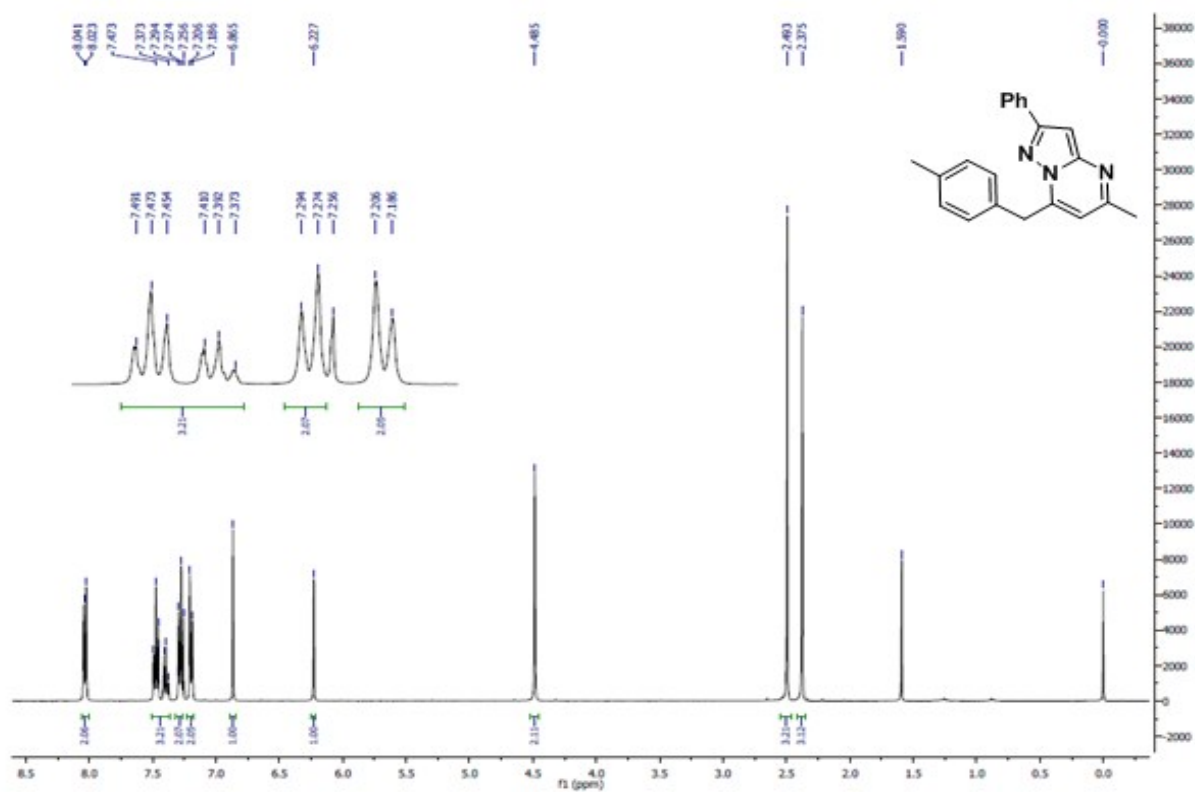
¹H and ¹³C NMR spectrum compounds **4** to **14**

p2 to p12

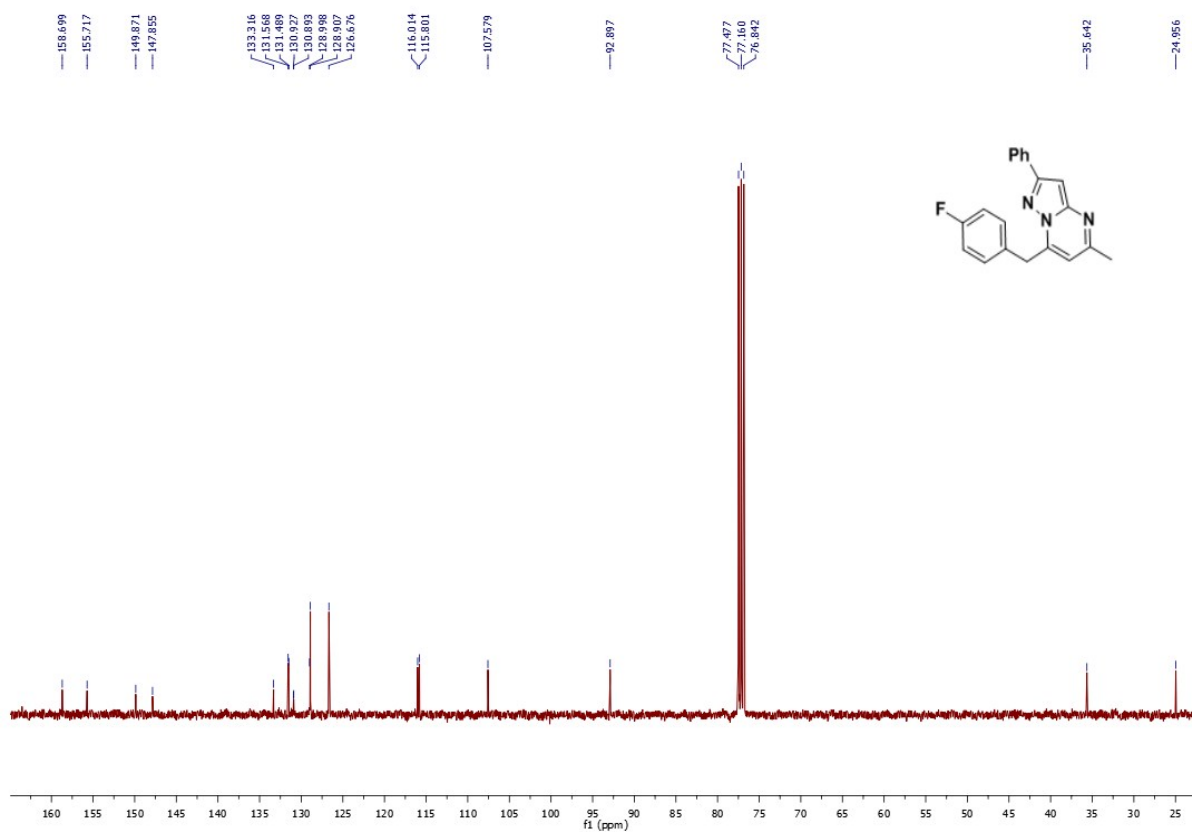
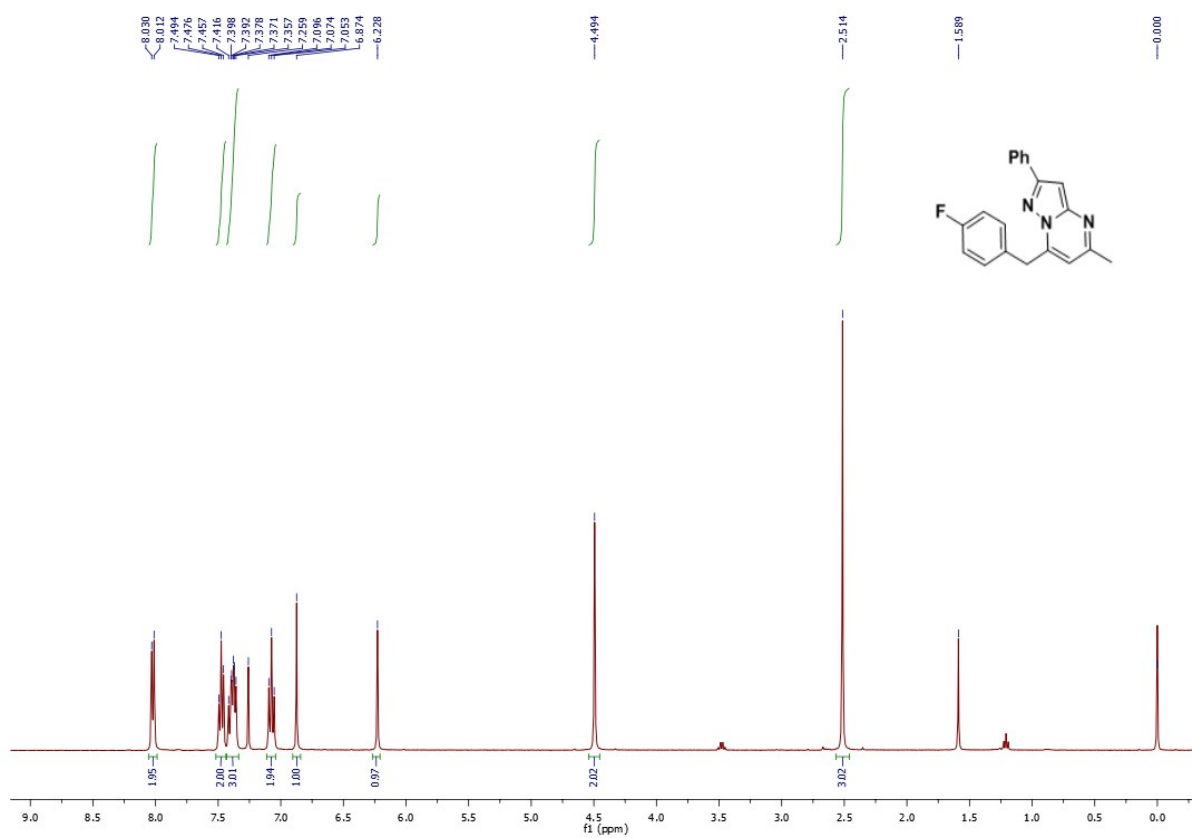
7-benzyl-5-methyl-2-phenylpyrazolo[1,5-a]pyrimidine (4)



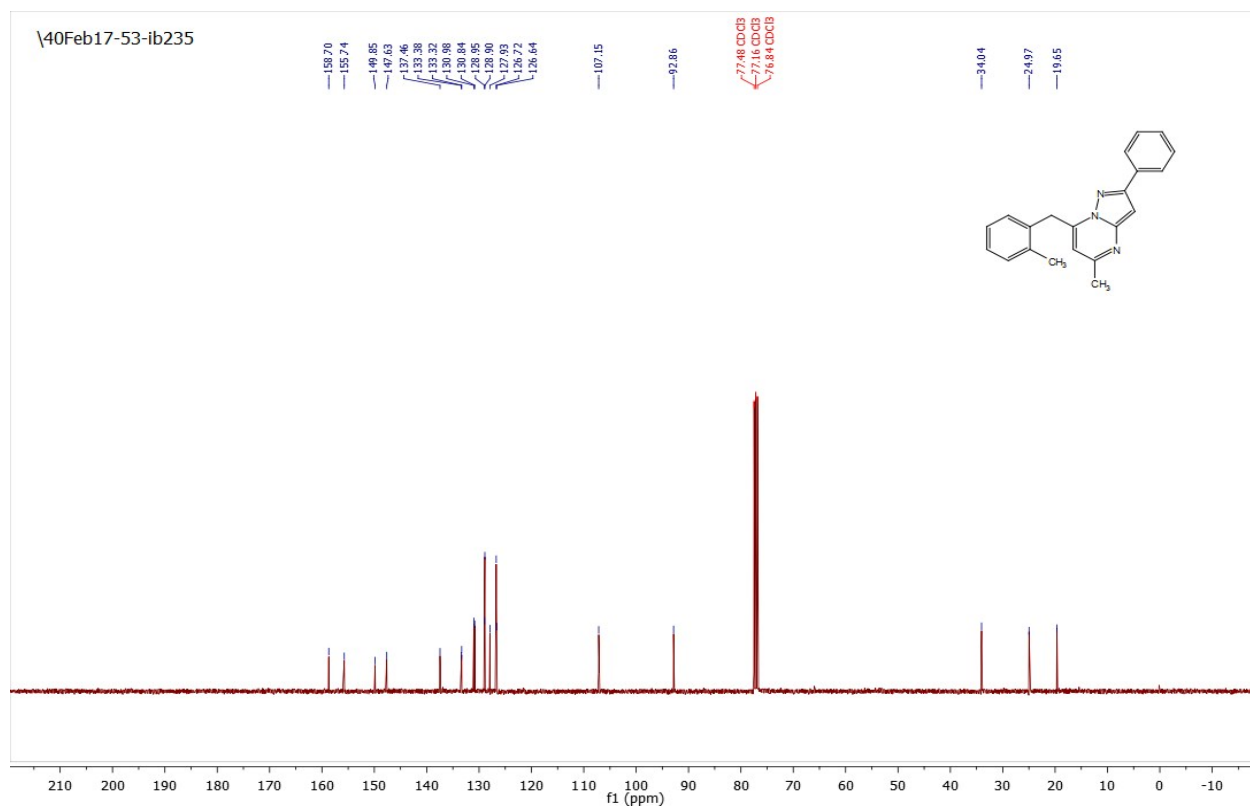
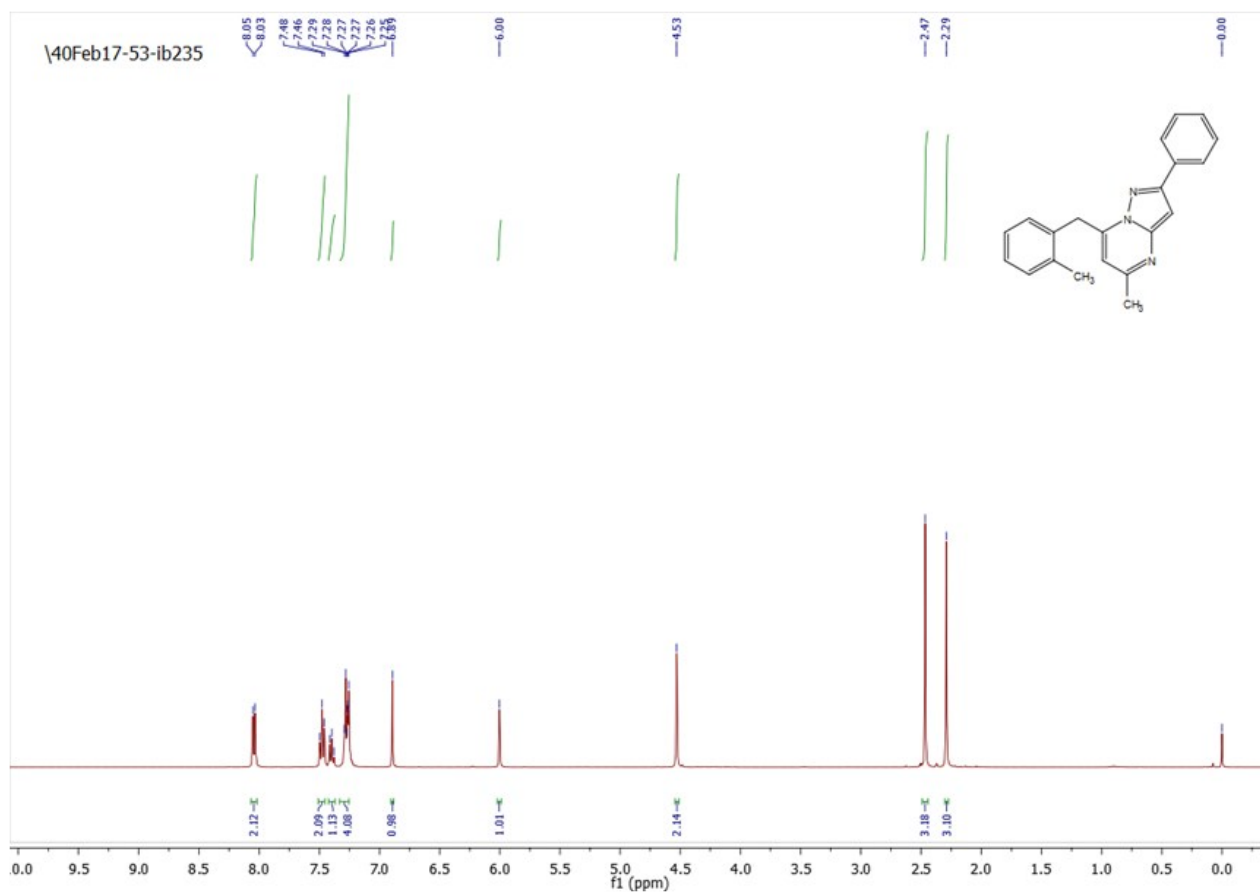
5-methyl-7-(4-methylbenzyl)-2-phenylpyrazolo[1,5-a]pyrimidine (5)



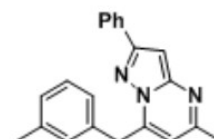
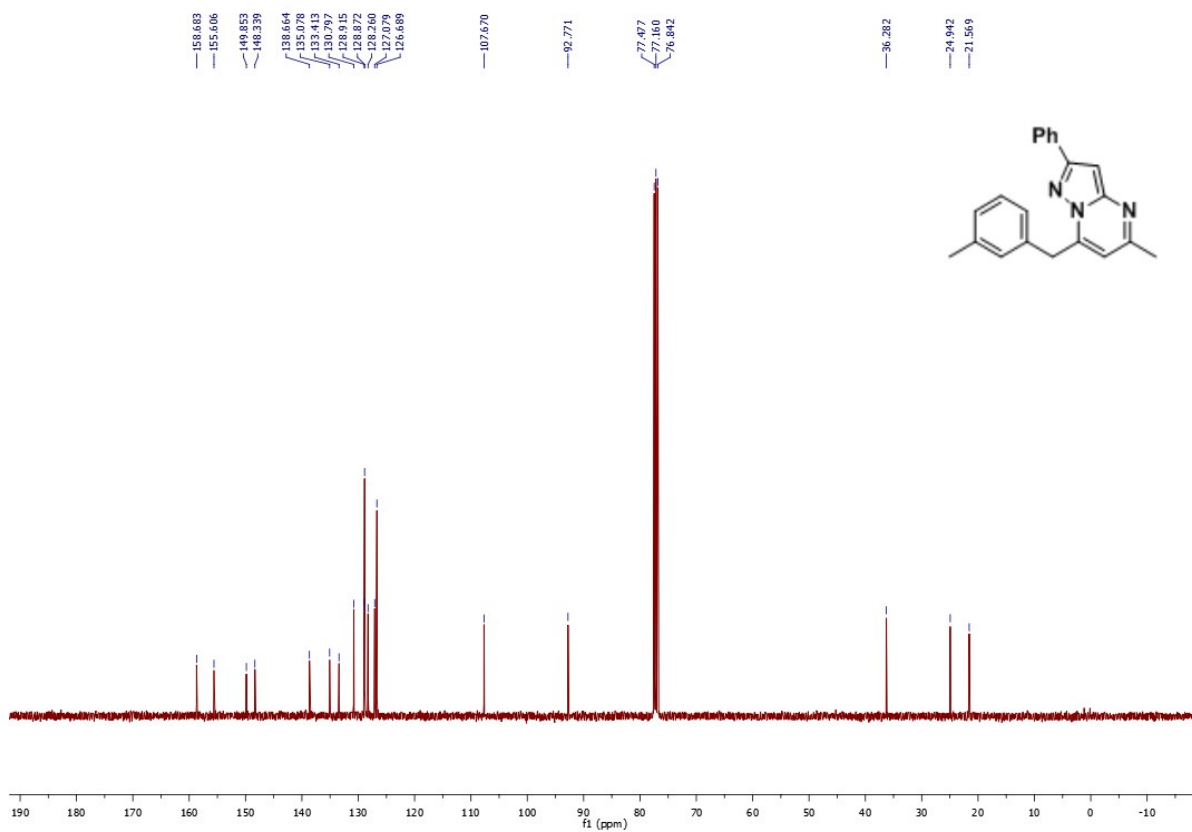
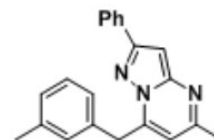
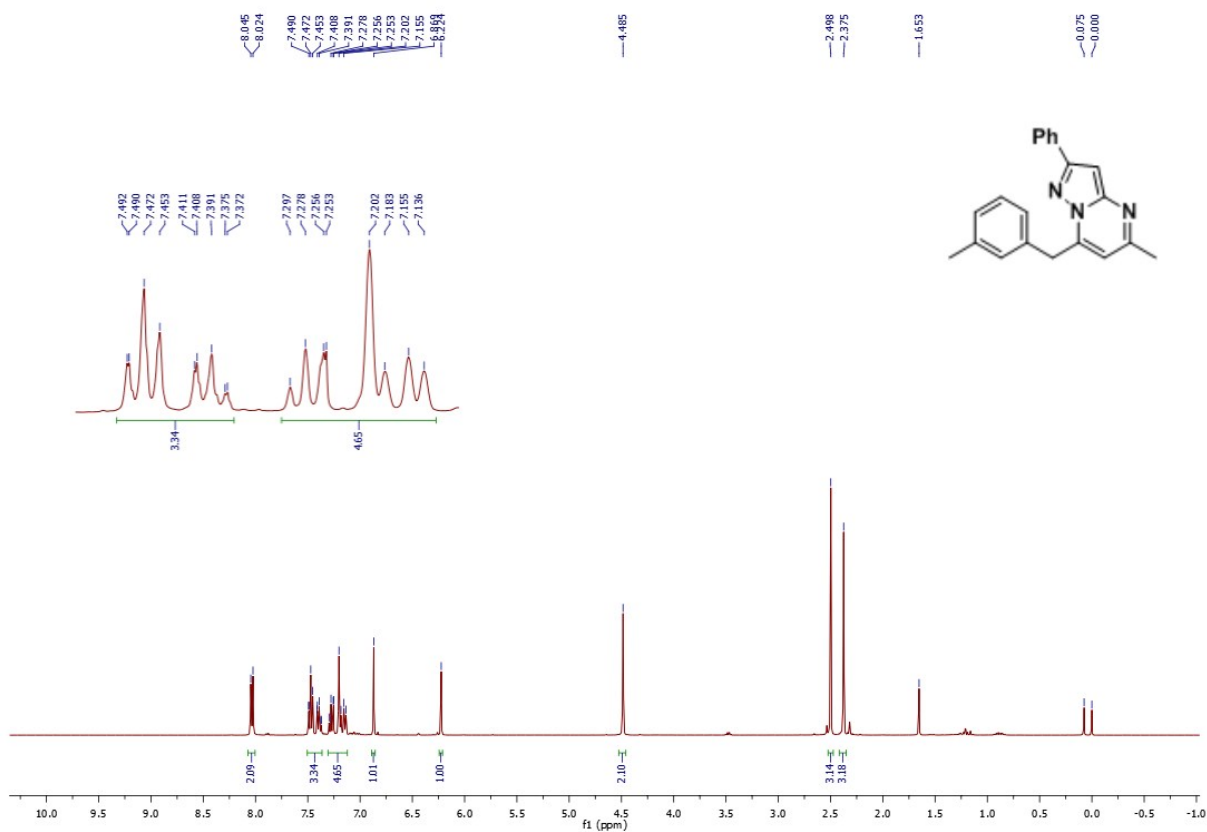
7-(4-fluorobenzyl)-5-methyl-2-phenylpyrazolo[1,5-a]pyrimidine (6)



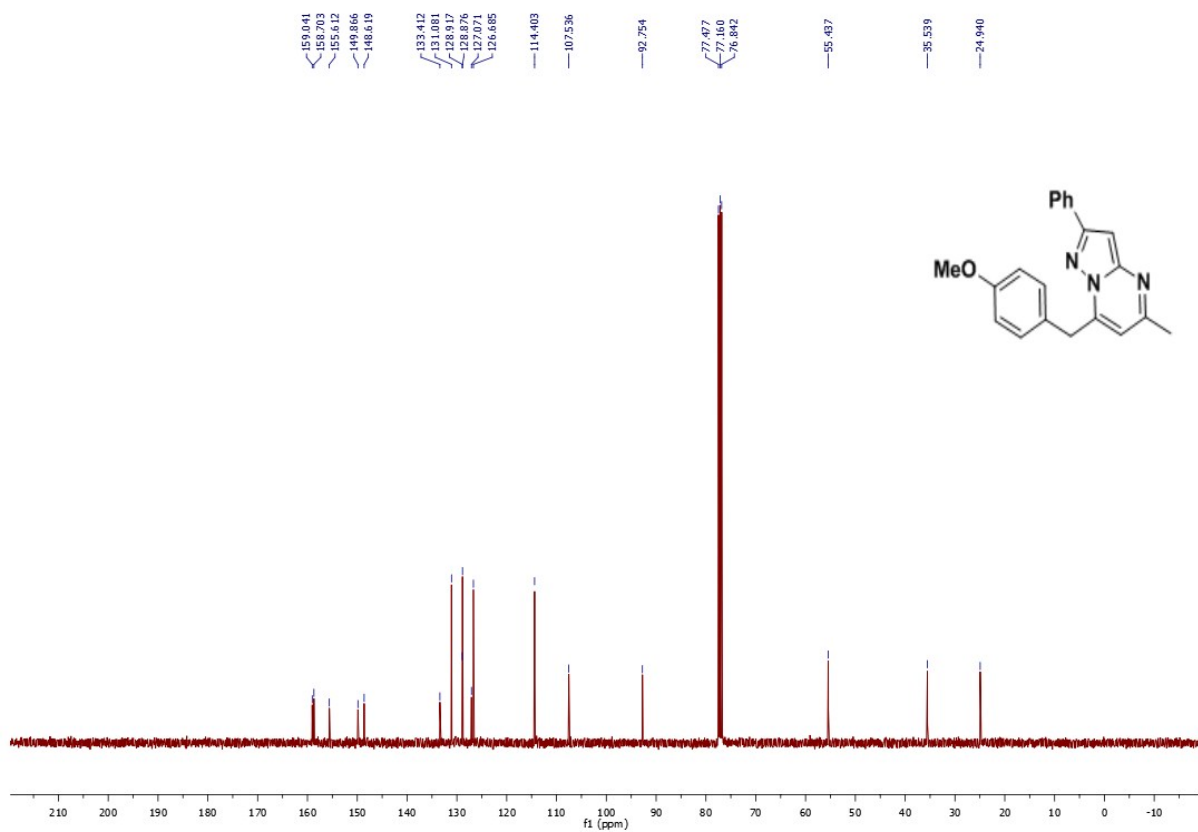
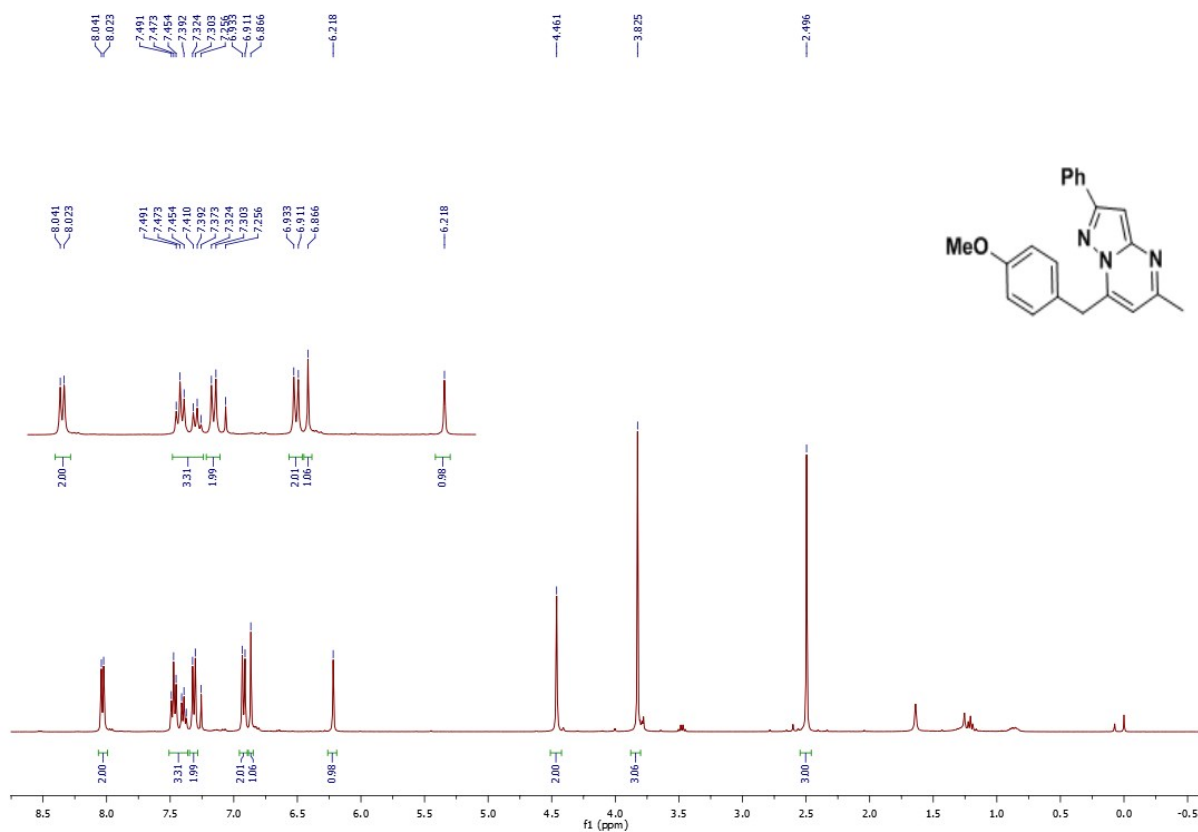
5-methyl-7-(2-methylbenzyl)-2-phenylpyrazolo[1,5-a]pyrimidine (7)



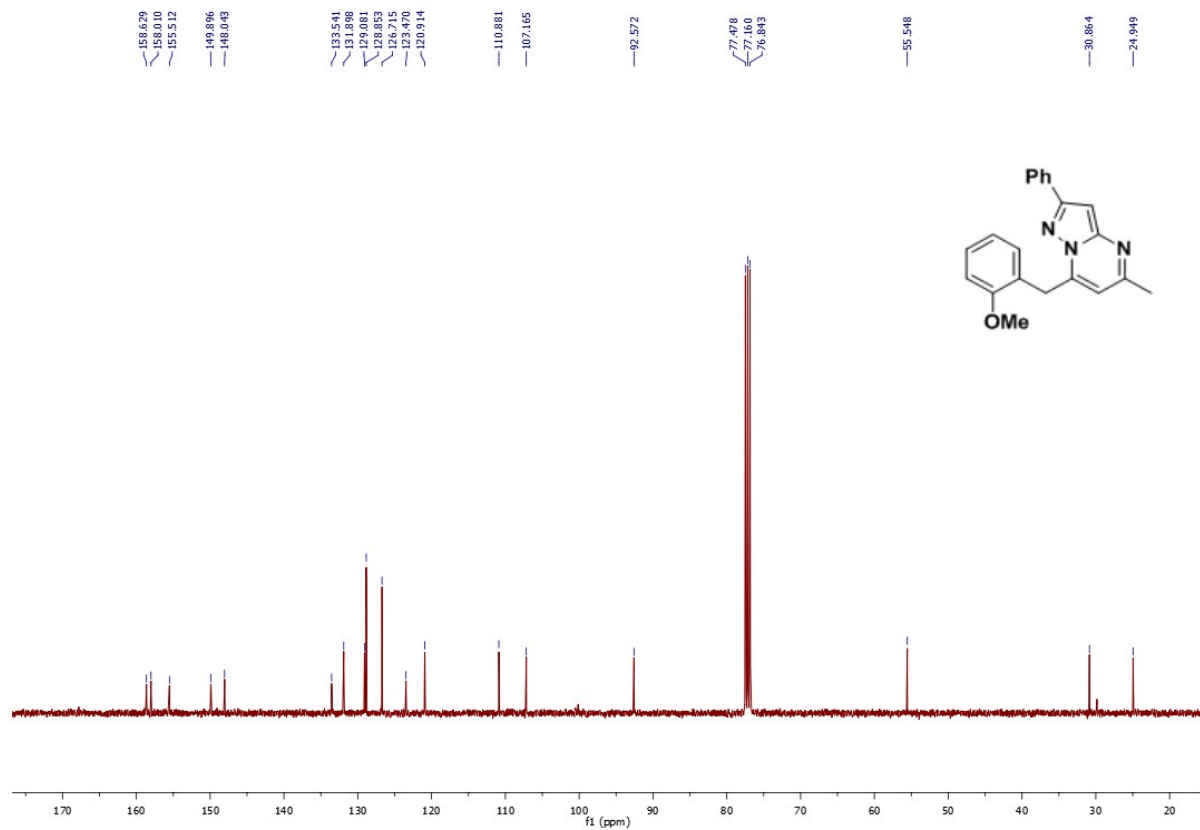
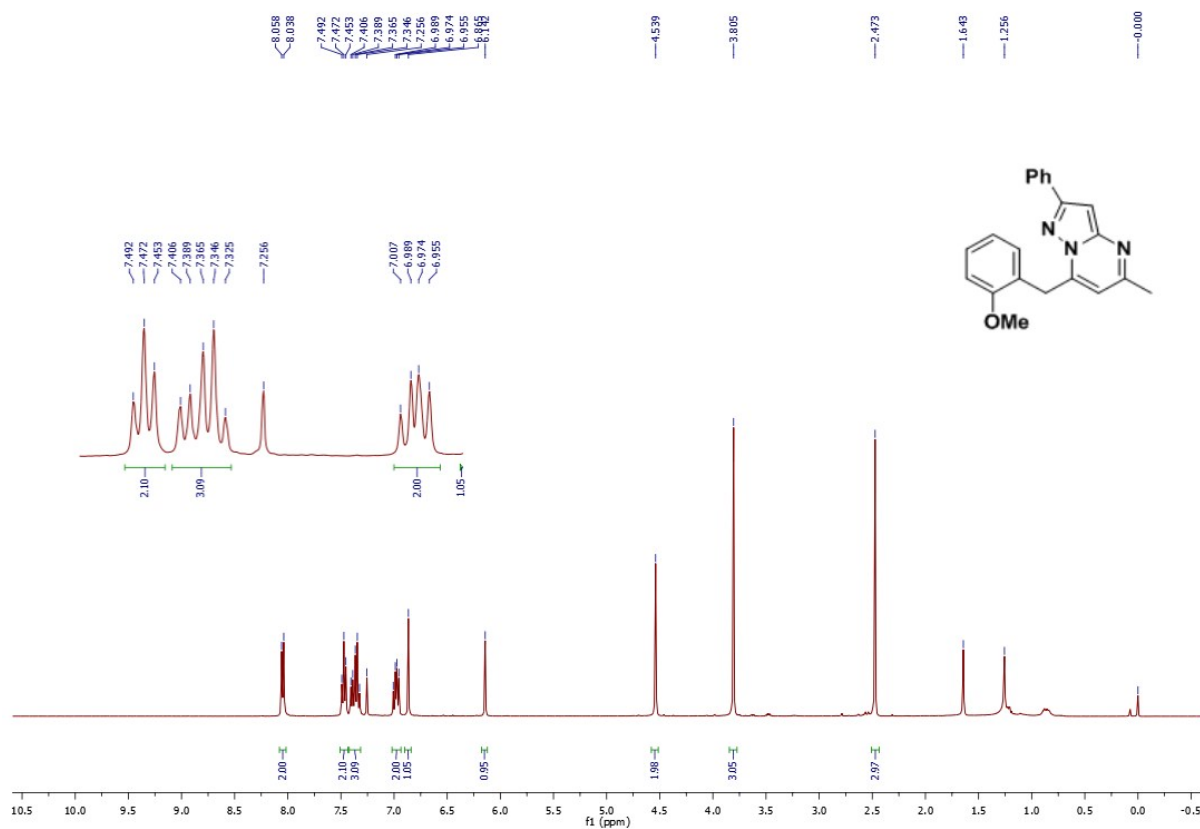
5-methyl-7-(3-methylbenzyl)-2-phenylpyrazolo[1,5-a]pyrimidine (8)



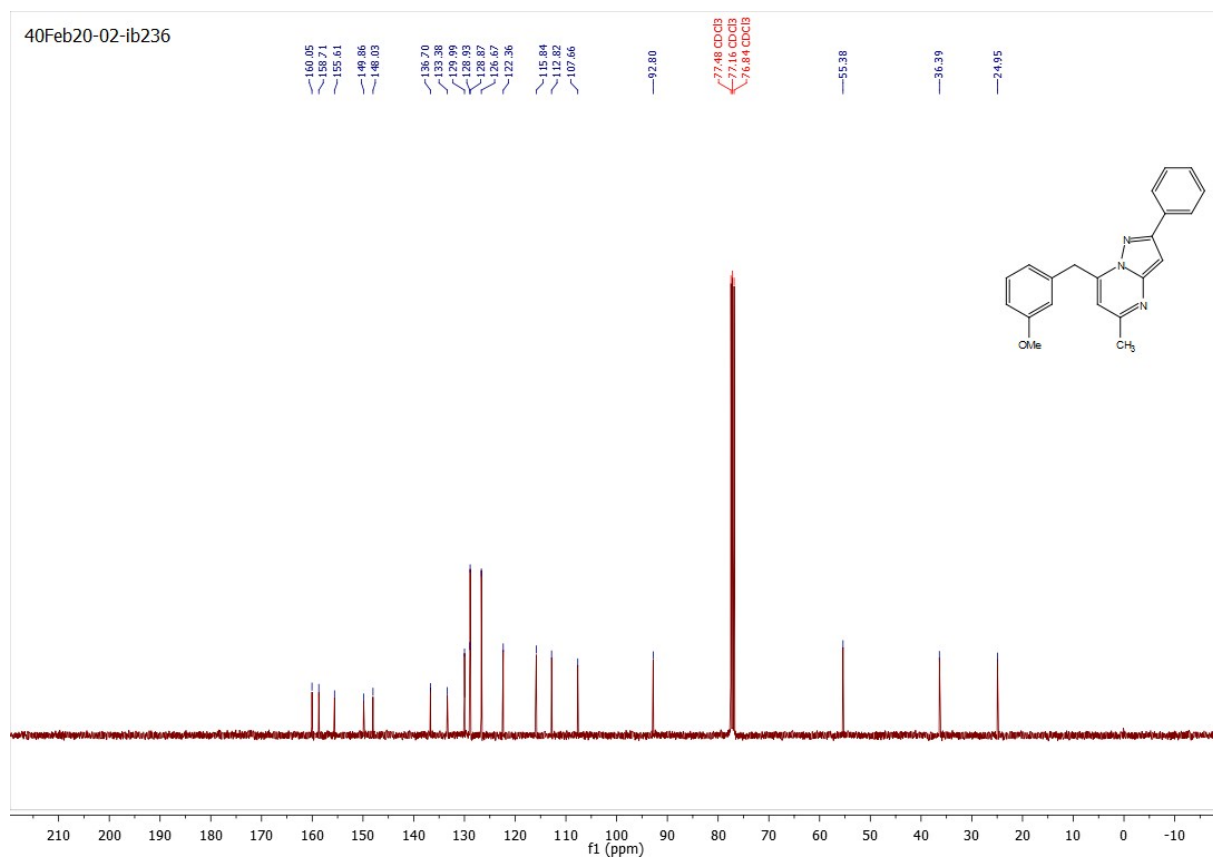
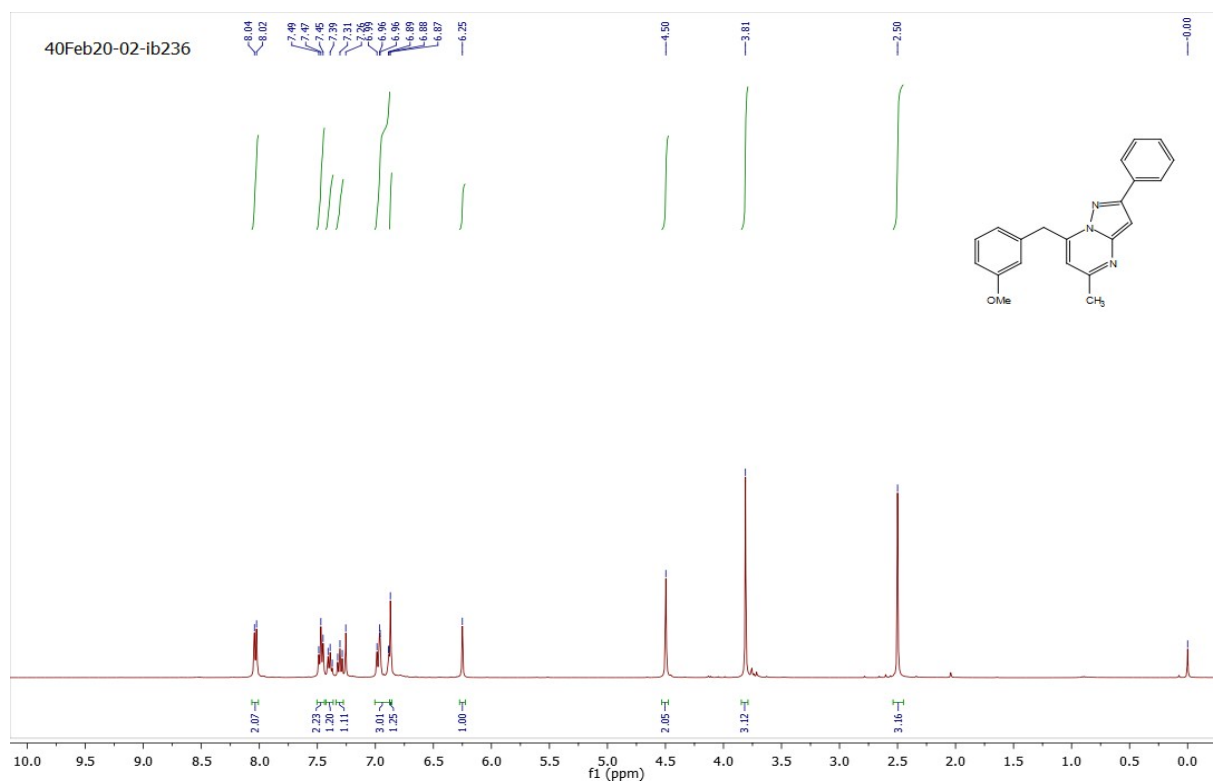
7-(4-methoxybenzyl)-5-methyl-2-phenylpyrazolo[1,5-a]pyrimidine (9)



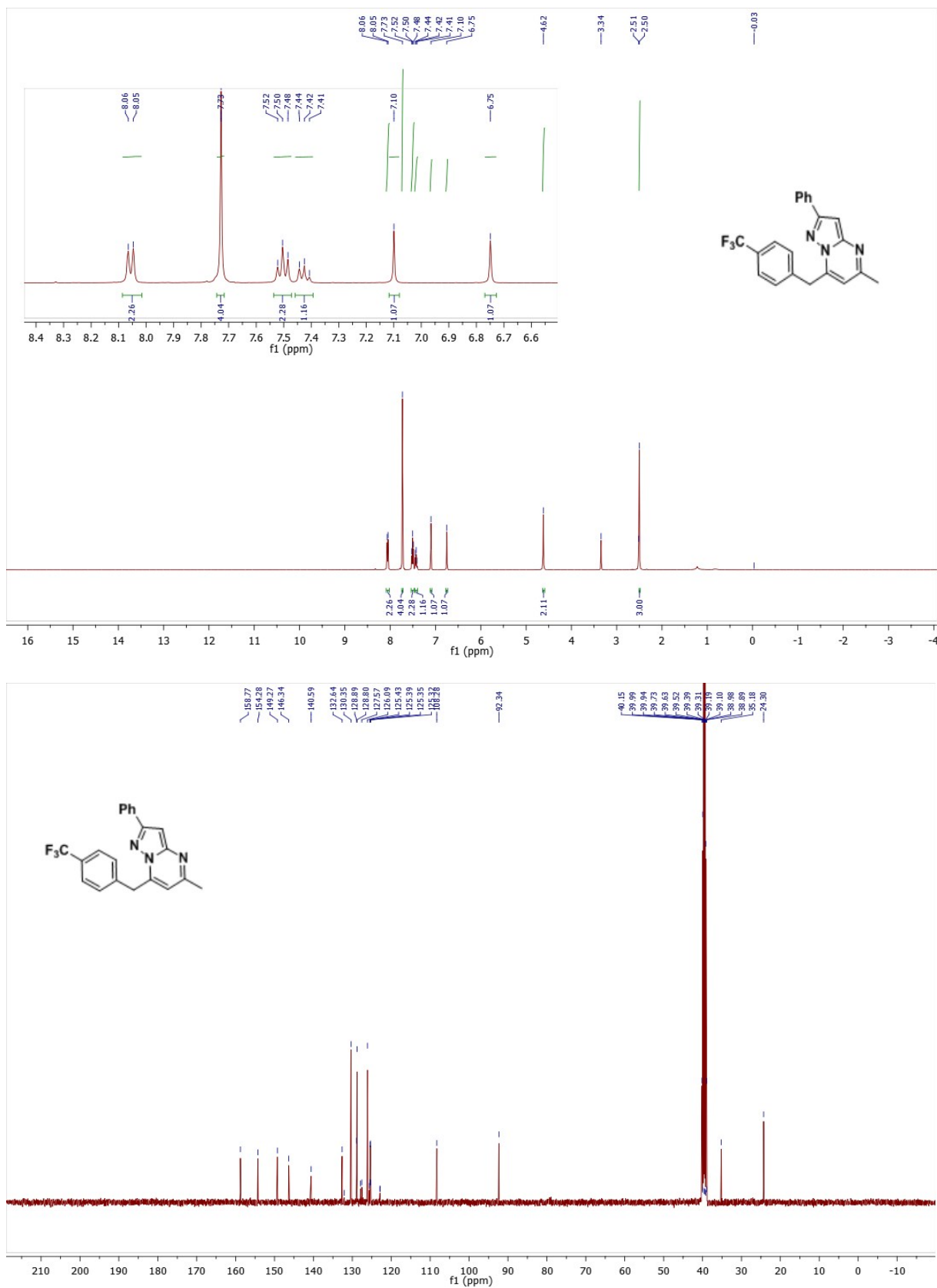
7-(2-methoxybenzyl)-5-methyl-2-phenylpyrazolo[1,5-a]pyrimidine (**10**)



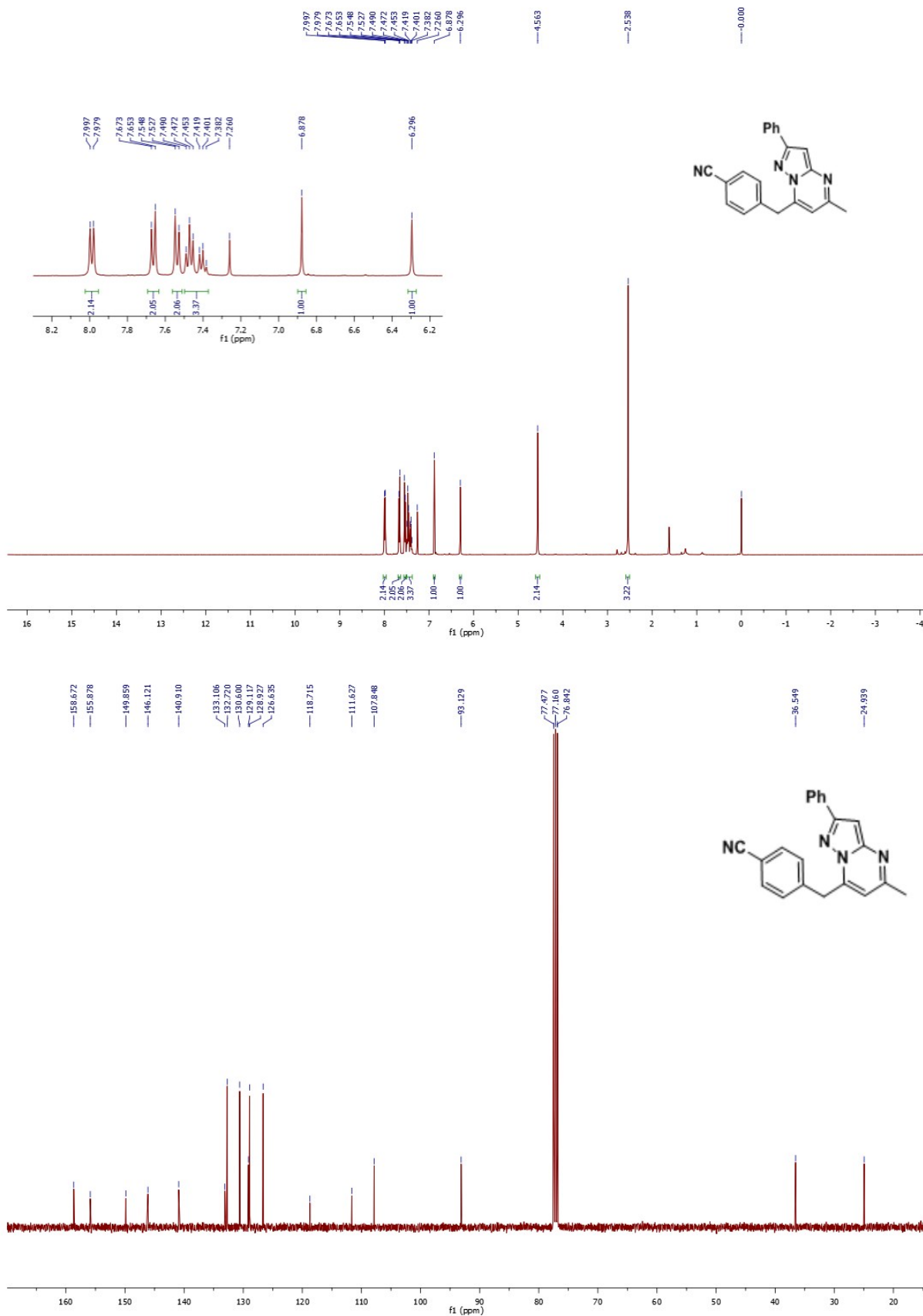
7-(3-methoxybenzyl)-5-methyl-2-phenylpyrazolo[1,5-a]pyrimidine (**11**)



5-methyl-2-phenyl-7-(4-(trifluoromethyl)-benzyl)-pyrazolo[1,5-*a*]pyrimidine (12**)**



4-((5-methyl-2-phenylpyrazolo[1,5-a]pyrimidin-7-yl)-methyl)benzonitrile (13)



5-methyl-2-phenyl-7-(pyridin-3-yl-methyl)-pyrazolo[1,5-a]pyrimidine (14)

