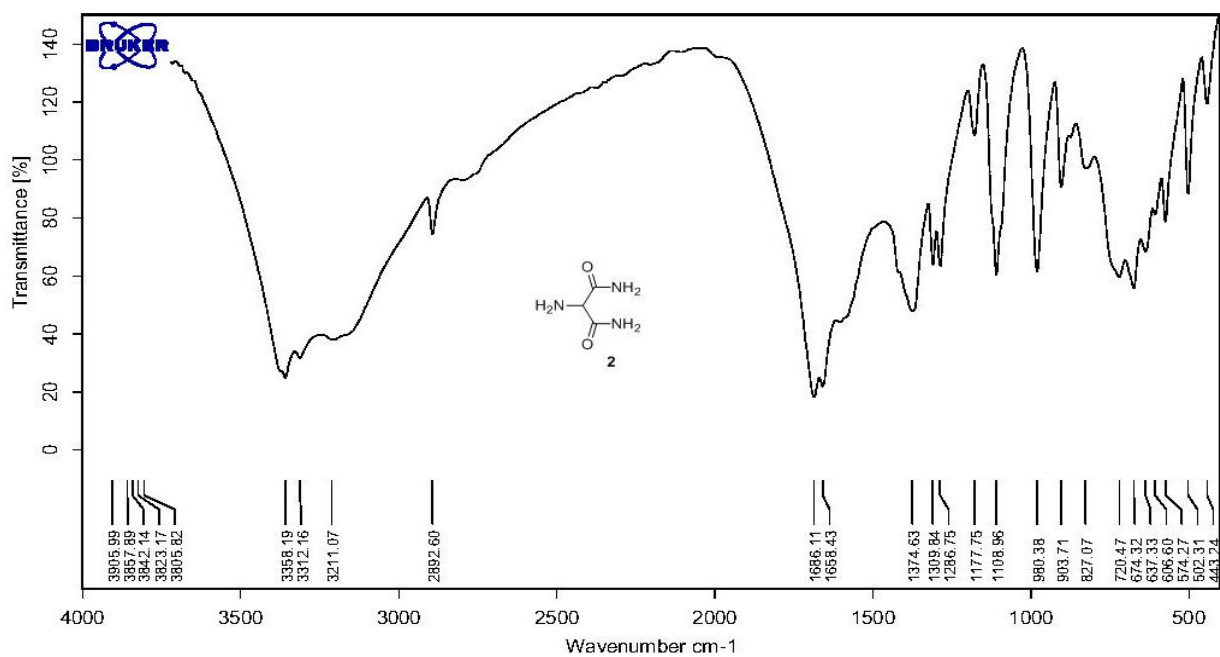


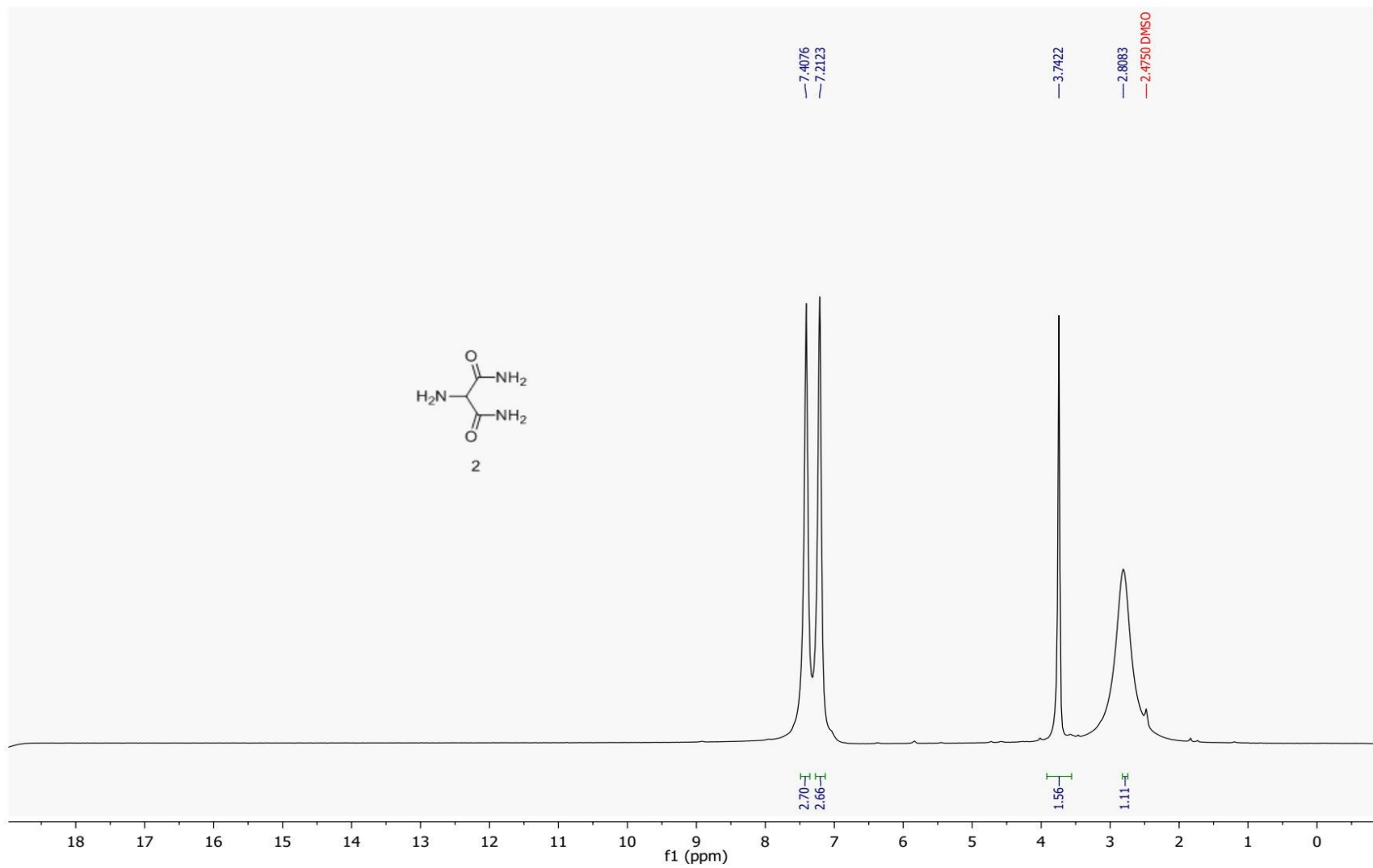
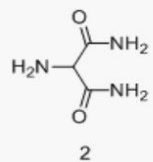
Green synthesis of structural analogs of favipiravir

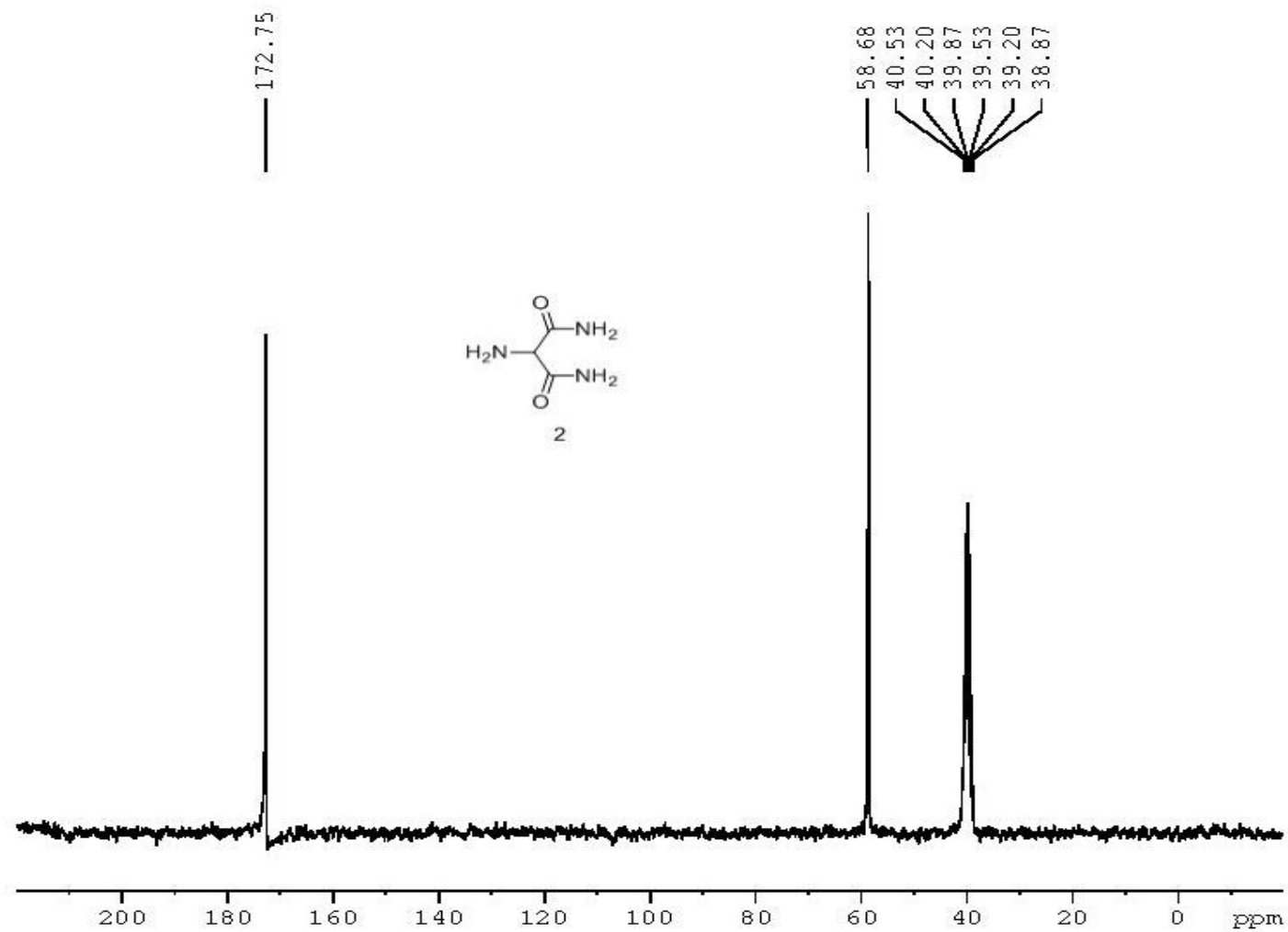
Maryam Haghpanah, Ali Reza Molla Ebrahimlo, Adeleh Moshtaghi Zonouz

IR and NMR spectra of the synthesized compounds

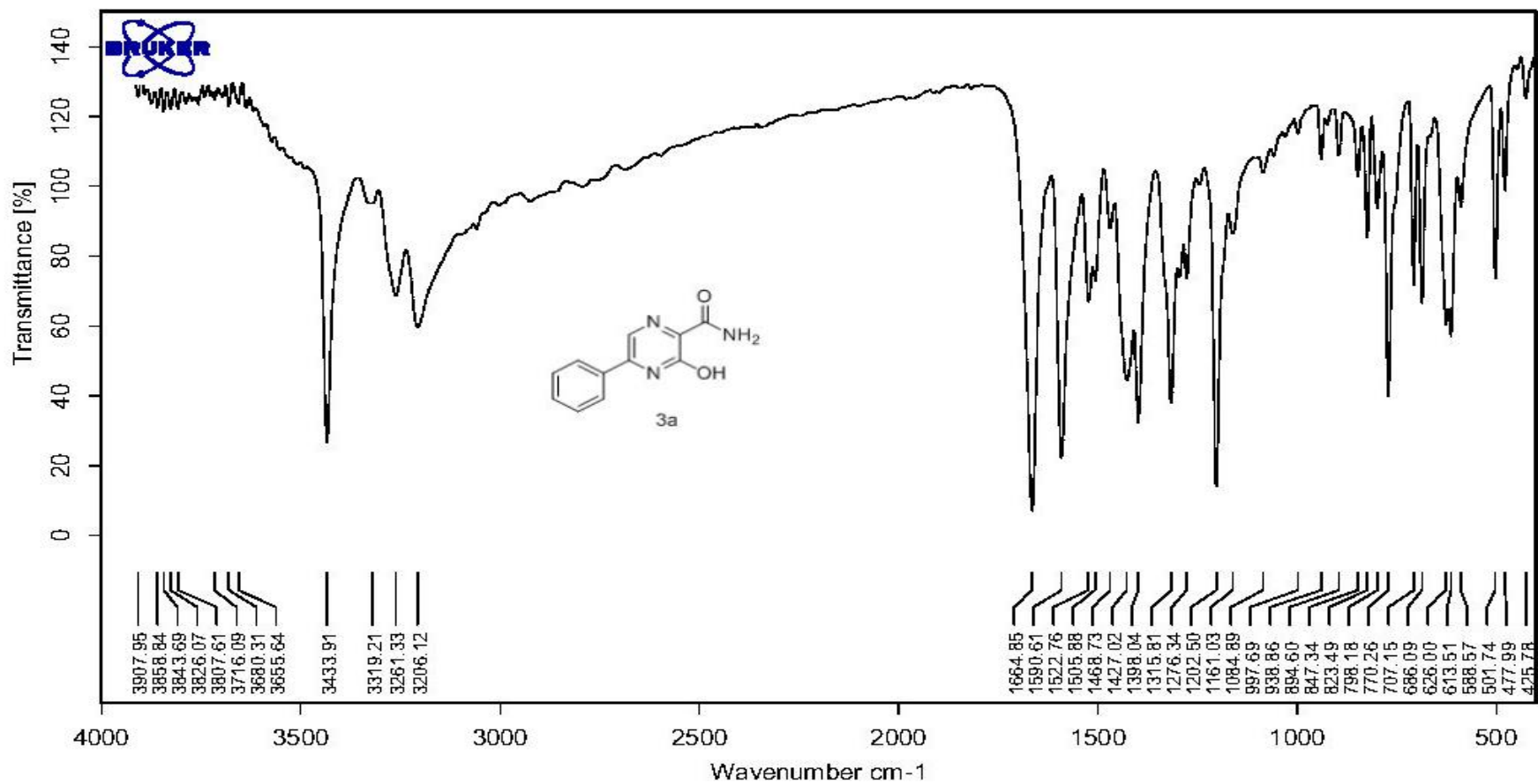
2-Aminopropanediamide 2

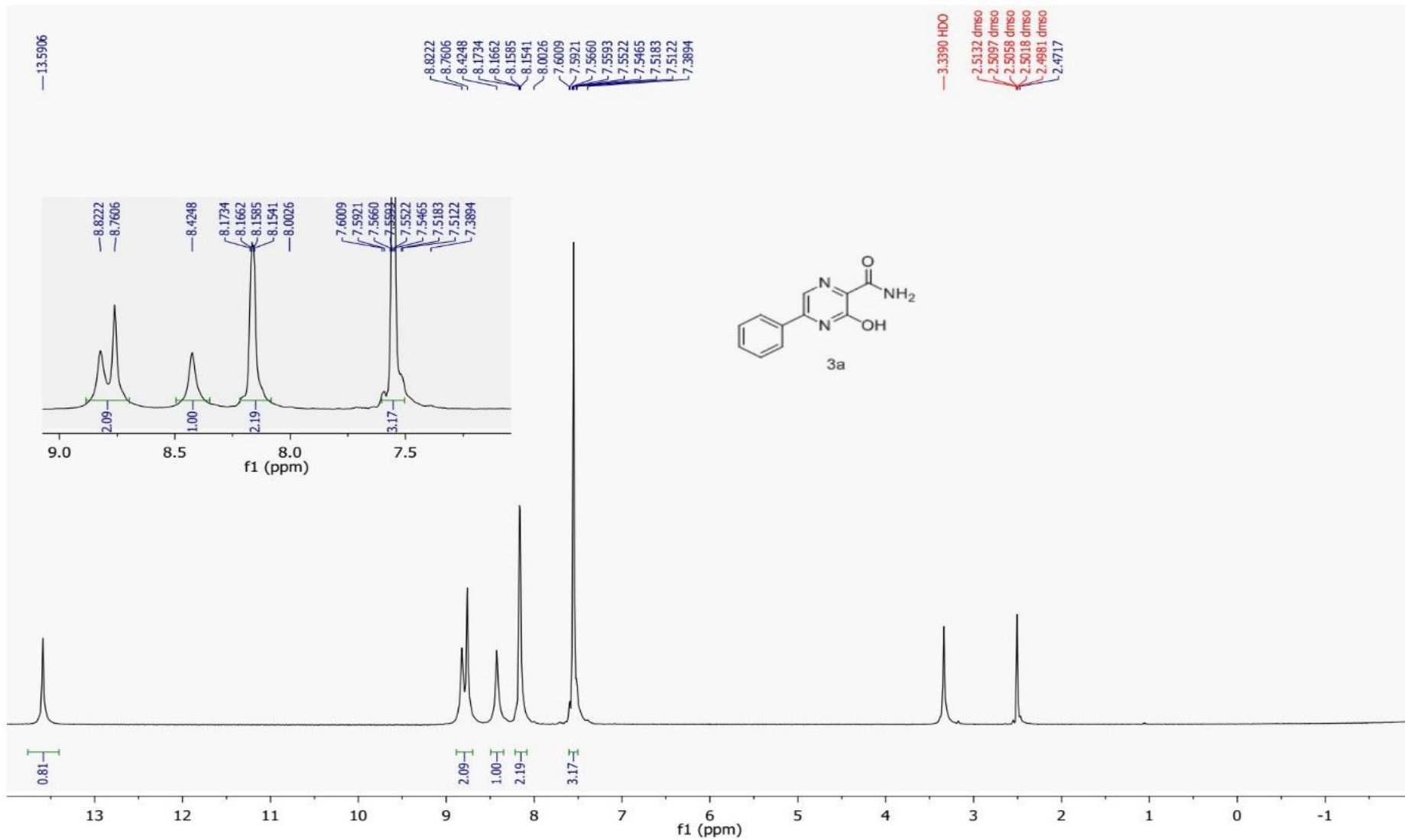


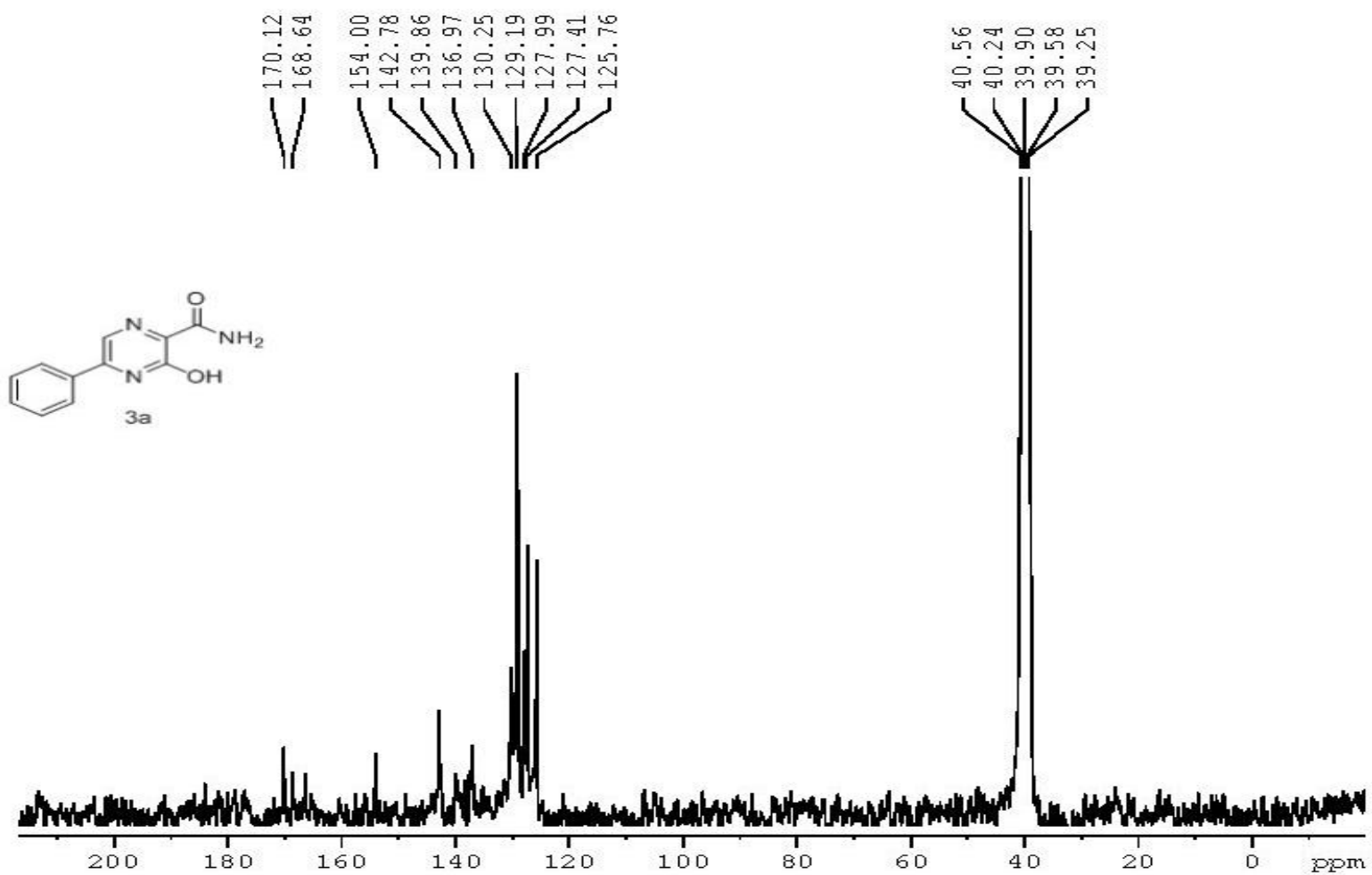




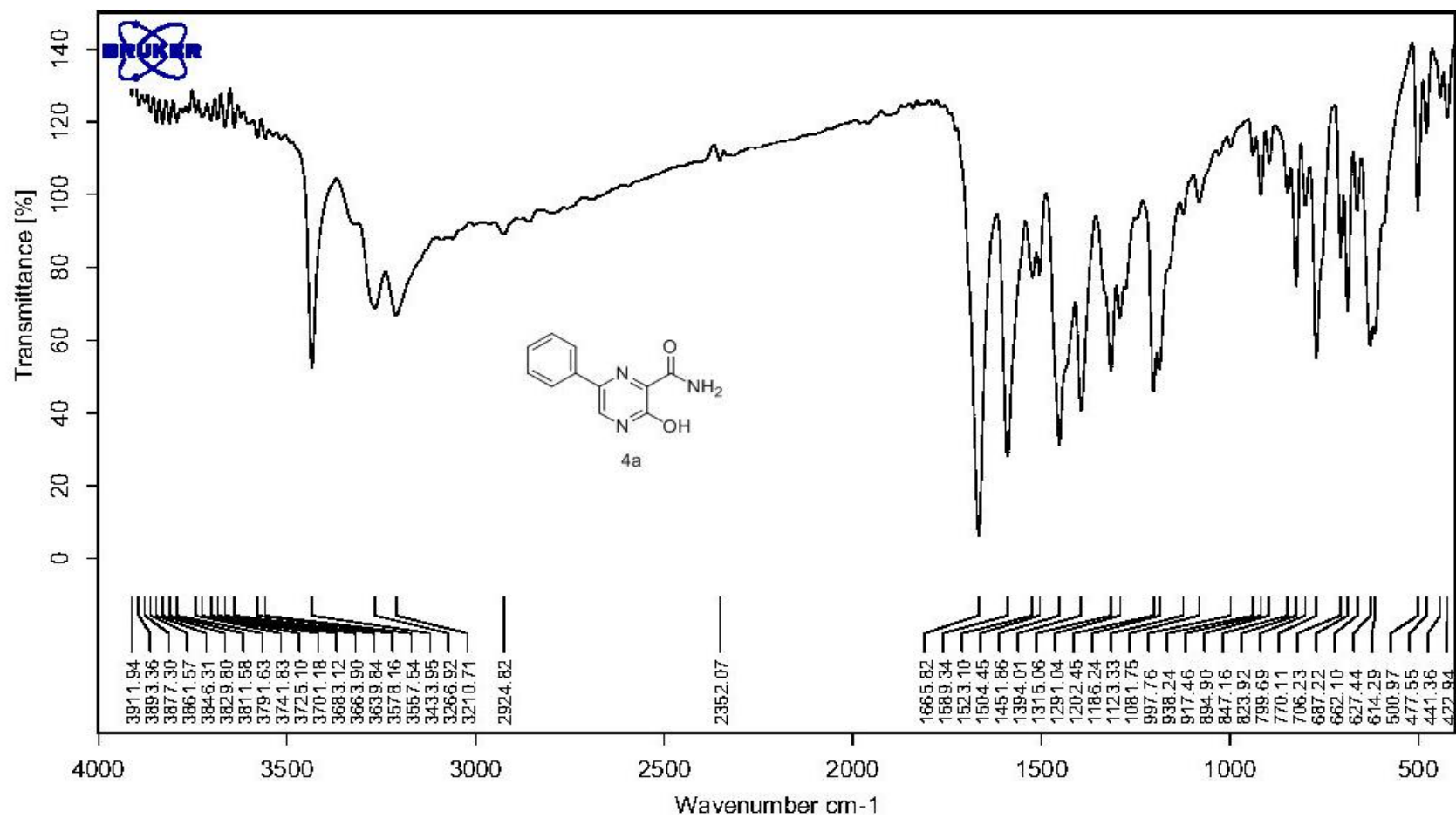
3-hydroxy-5-phenylpyrazine-2-carboxamides 3a

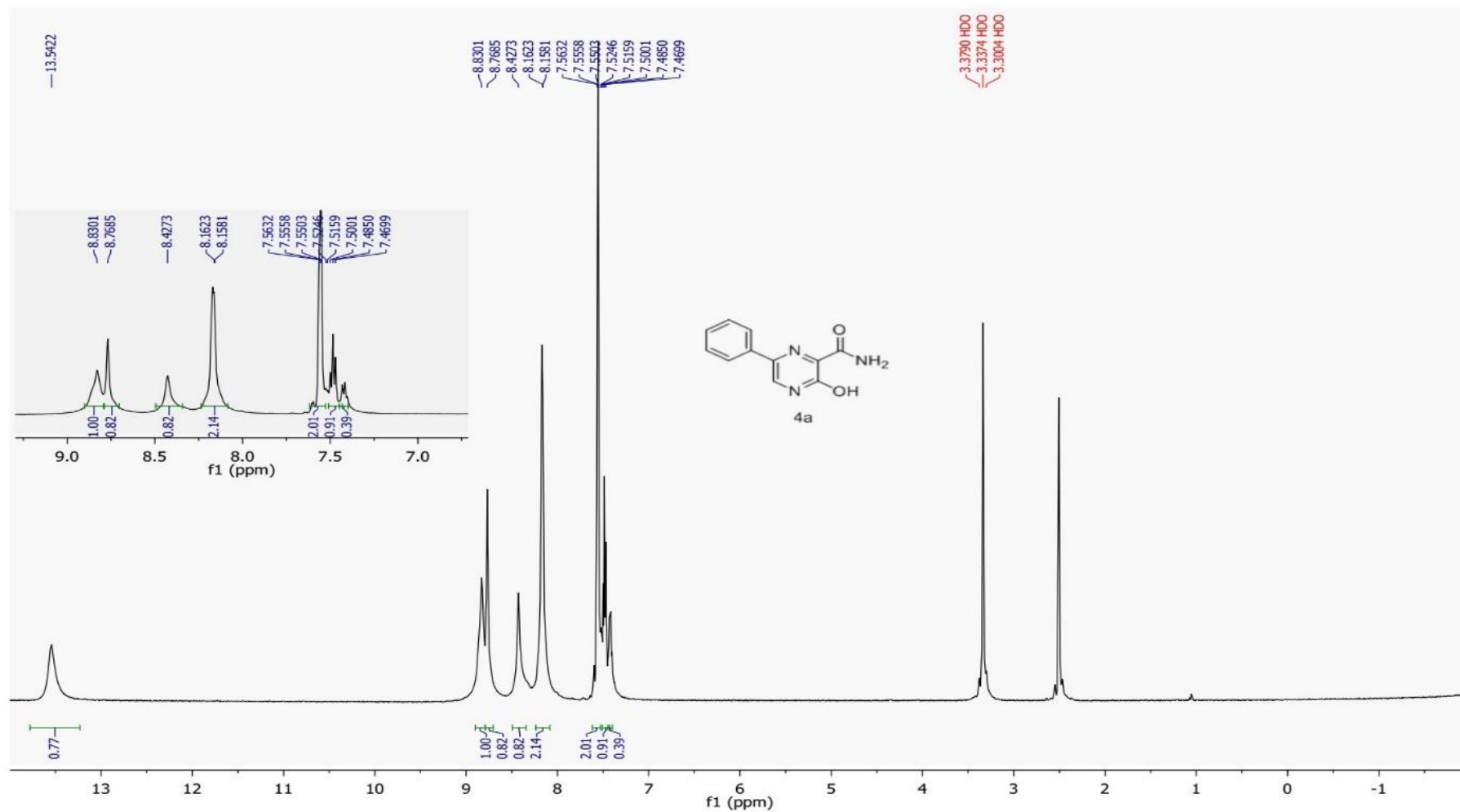


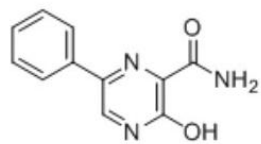




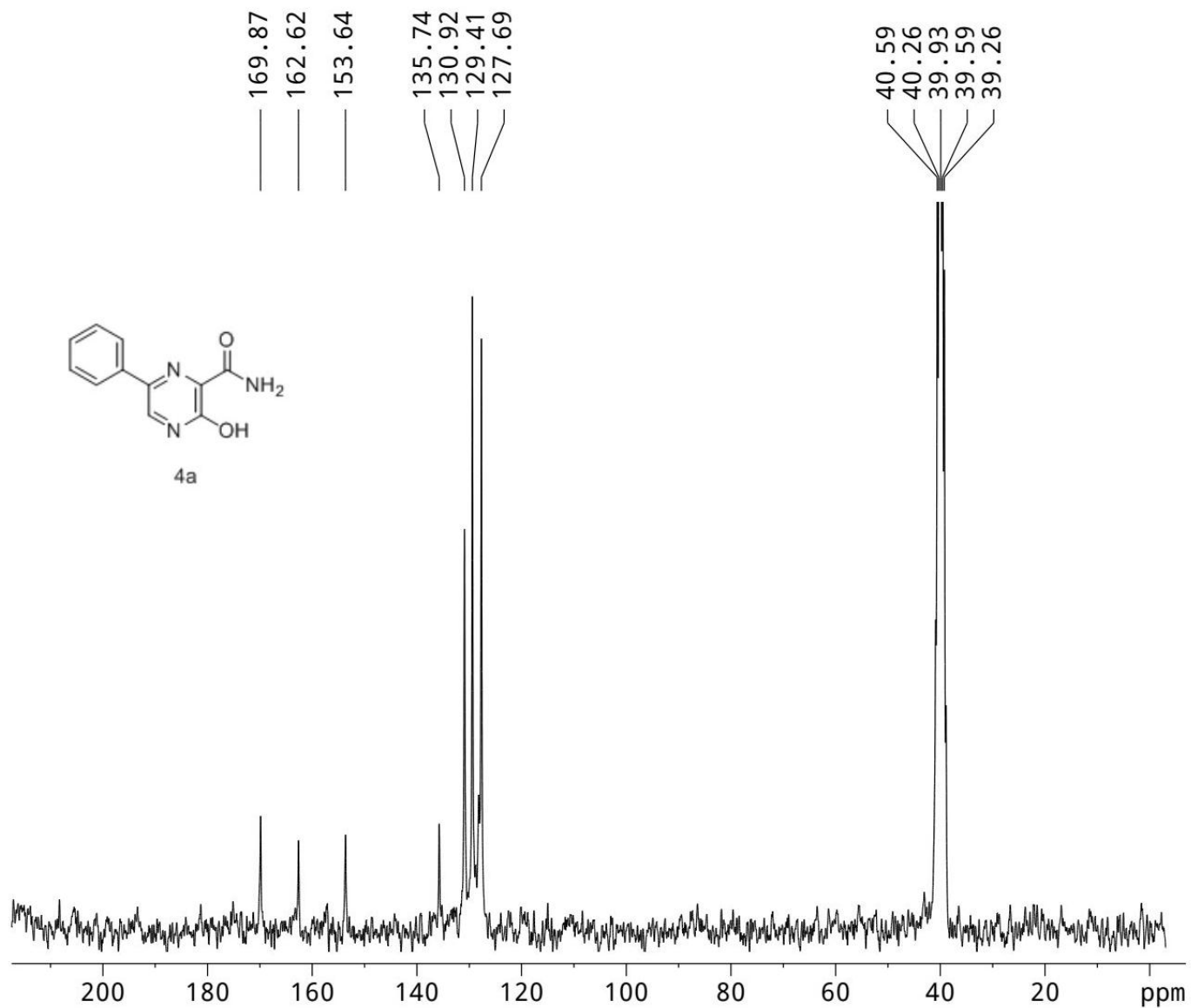
3-hydroxy-6-phenylpyrazine-2-carboxamide 4a



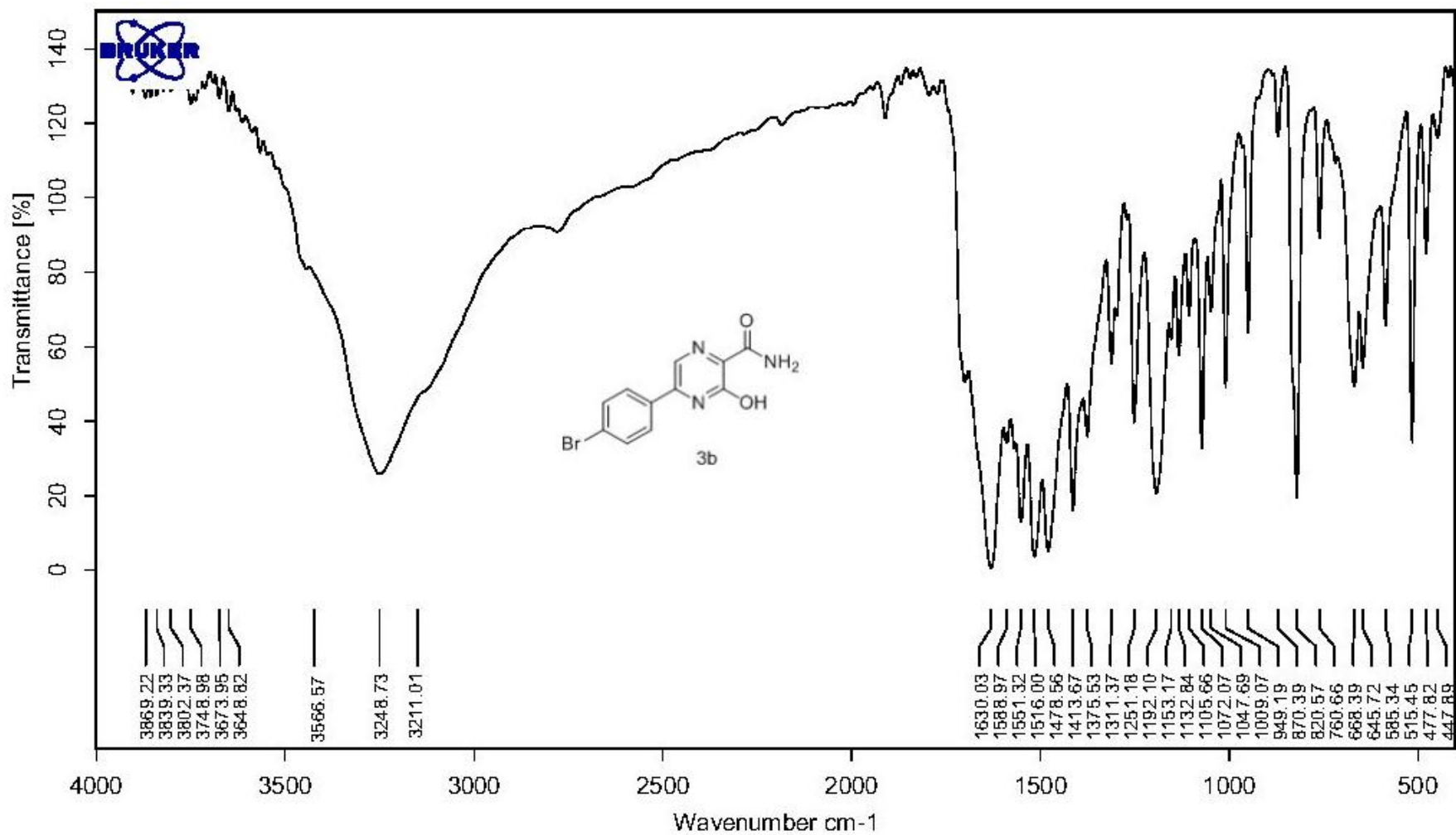


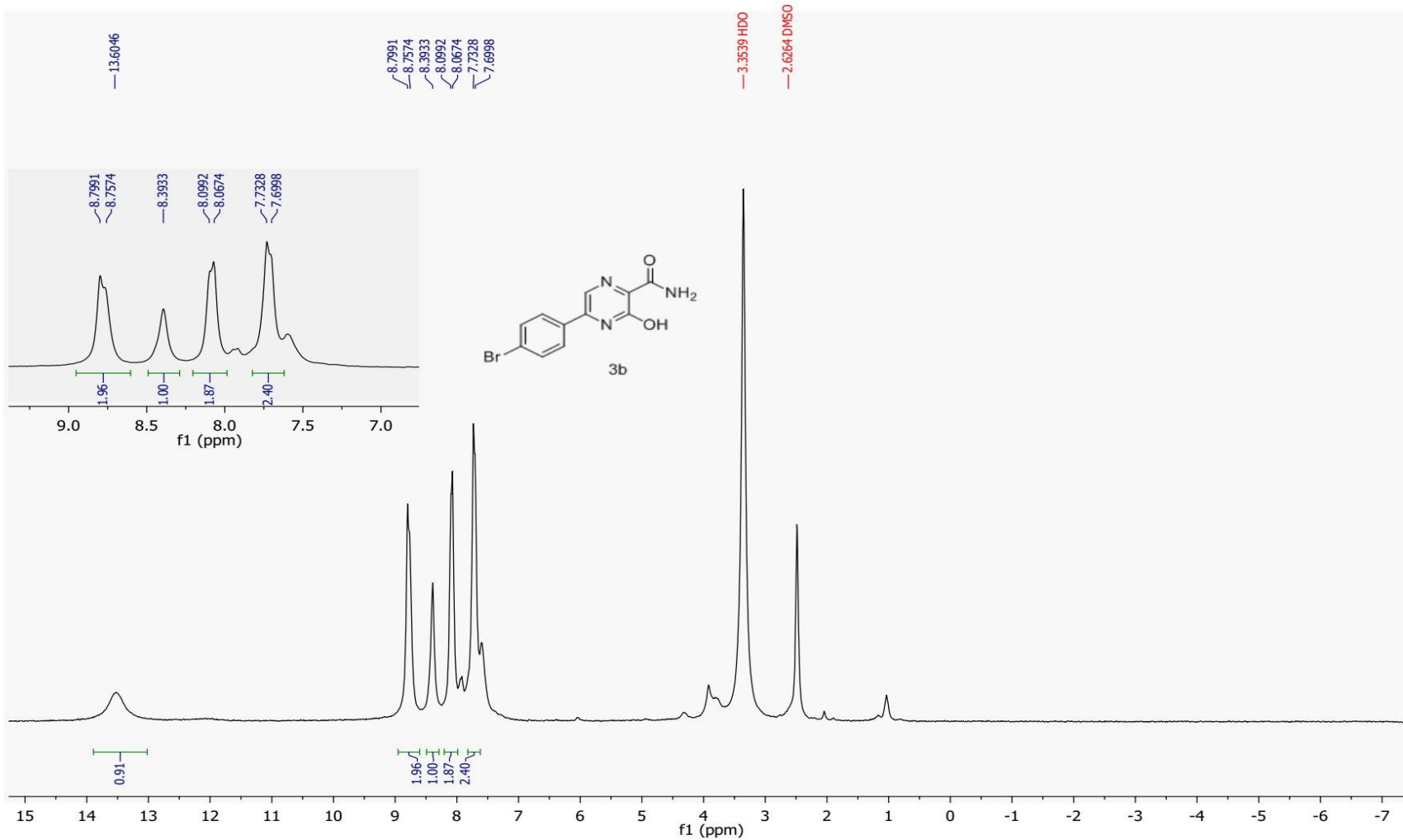


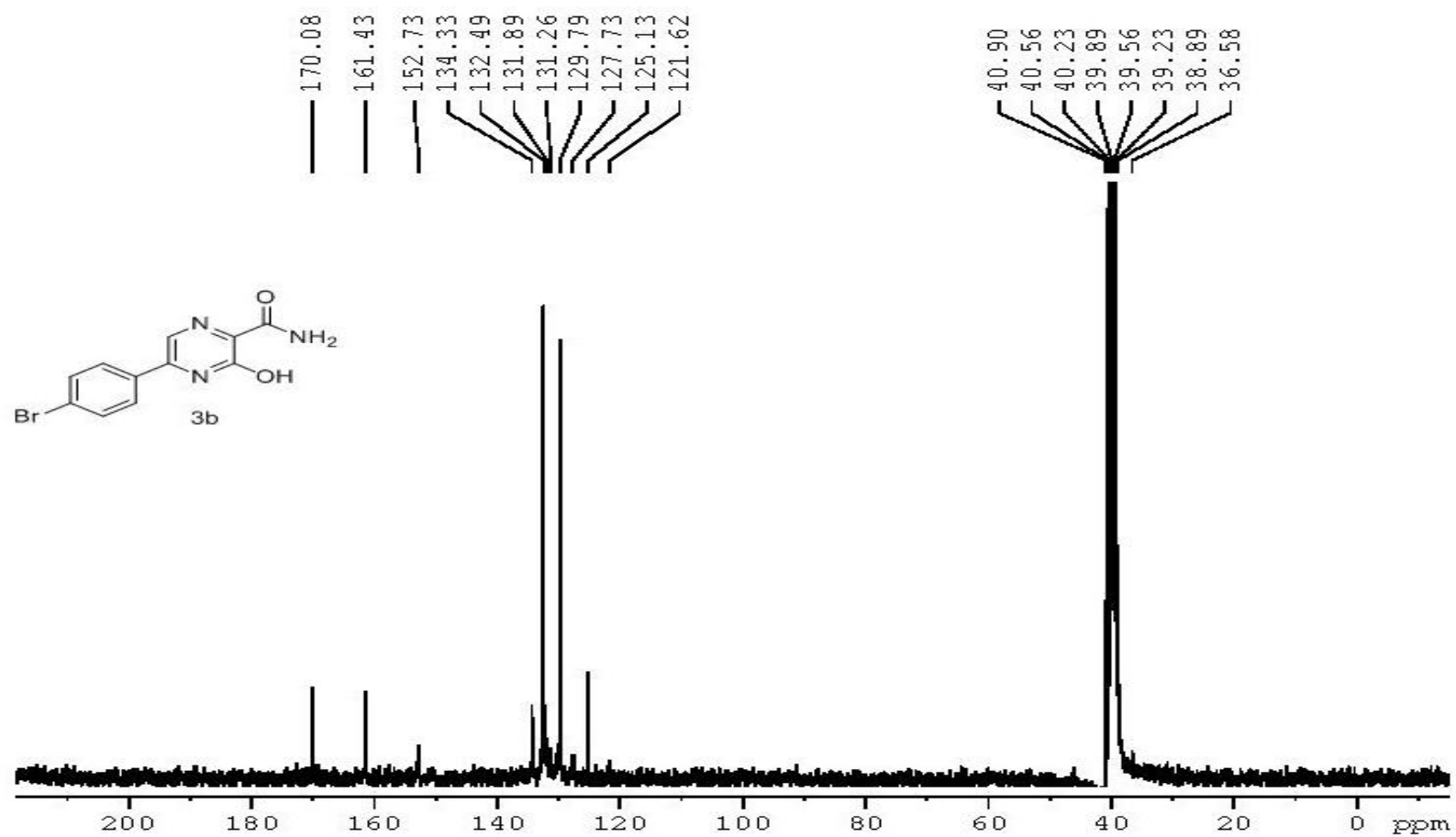
4a



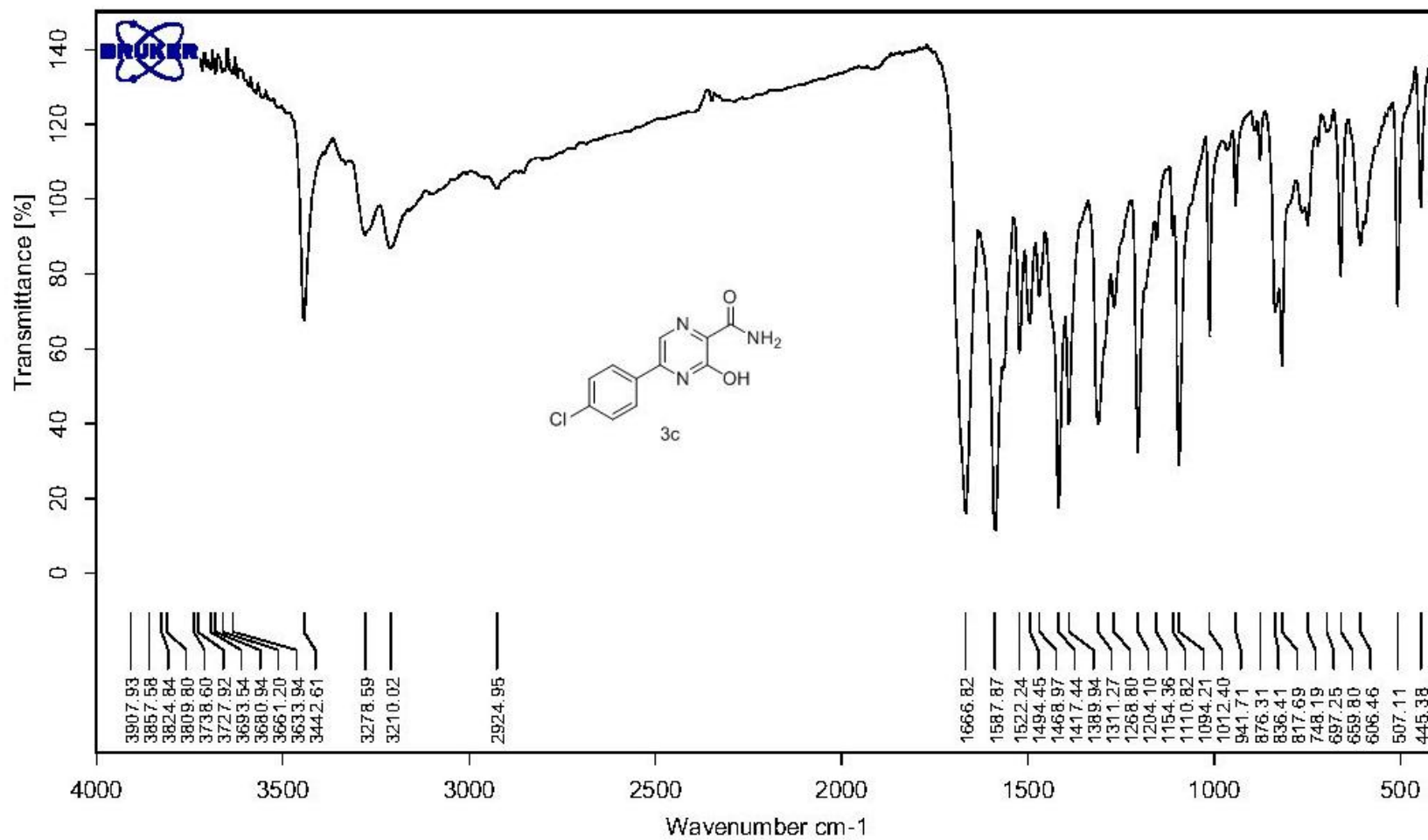
5-(4-bromophenyl)-3-hydroxypyrazine-2-carboxamide 3b

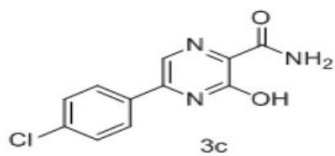
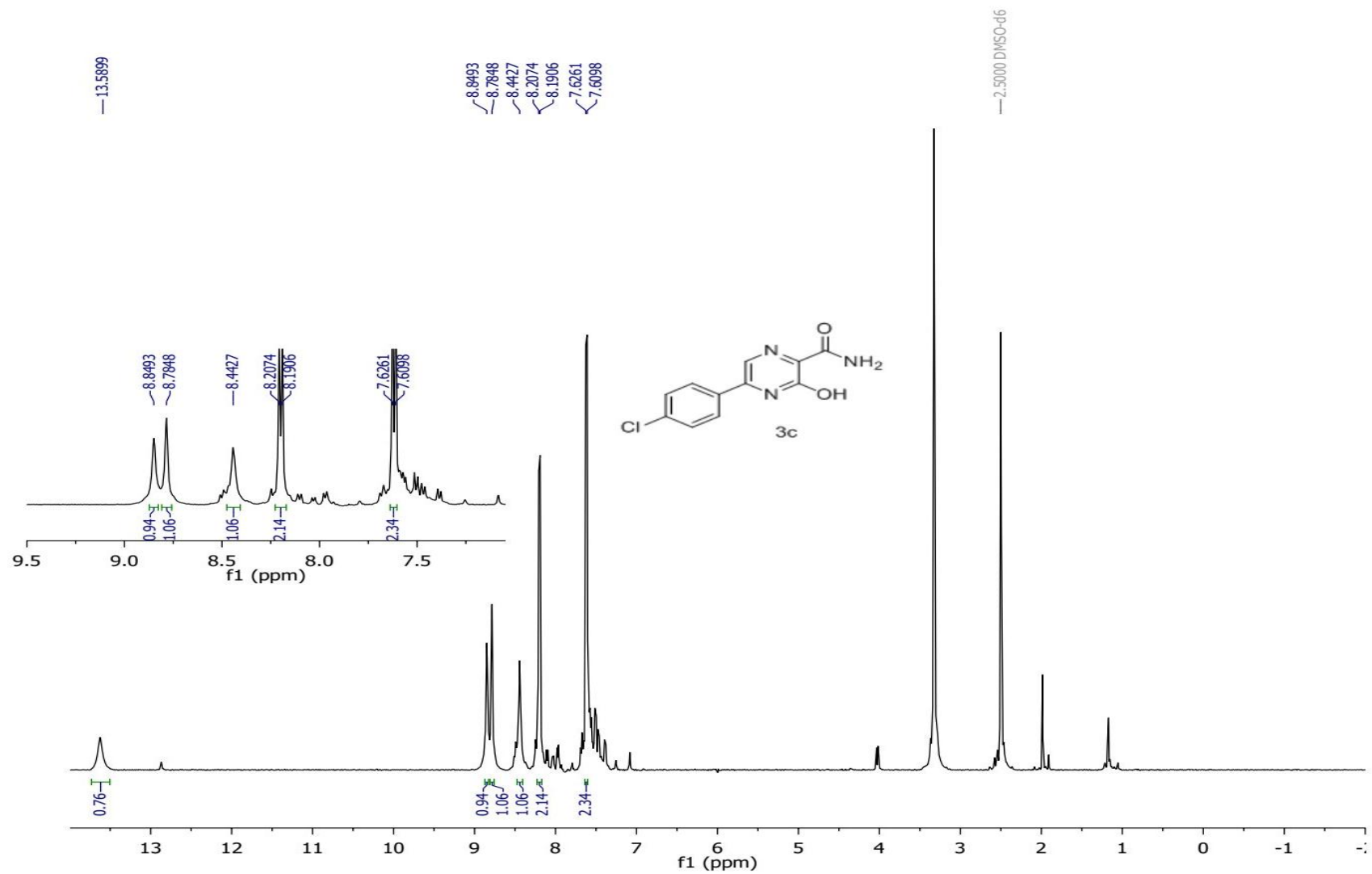


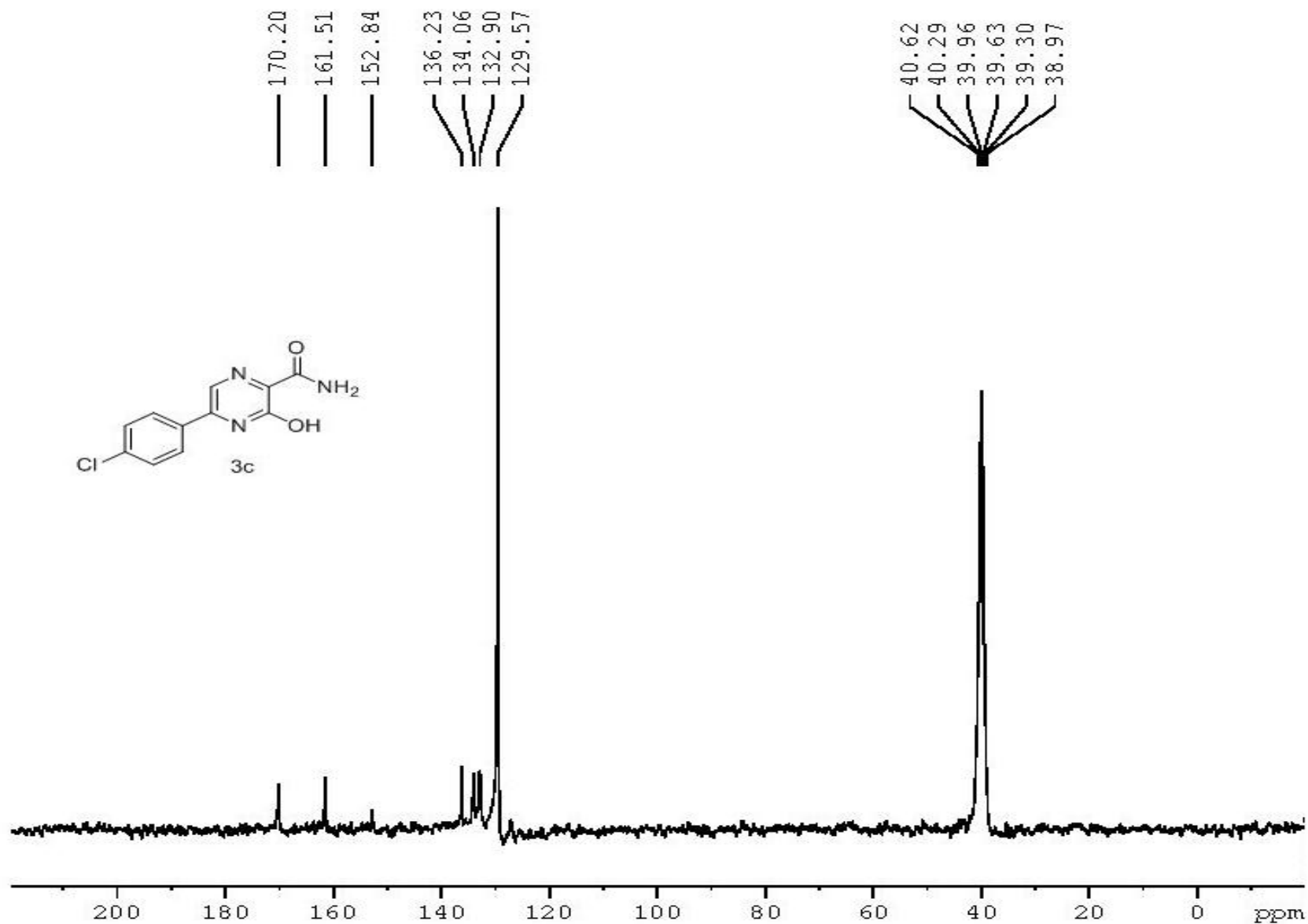
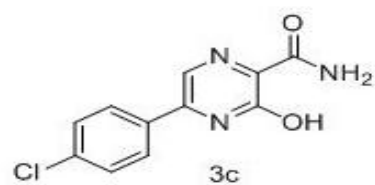




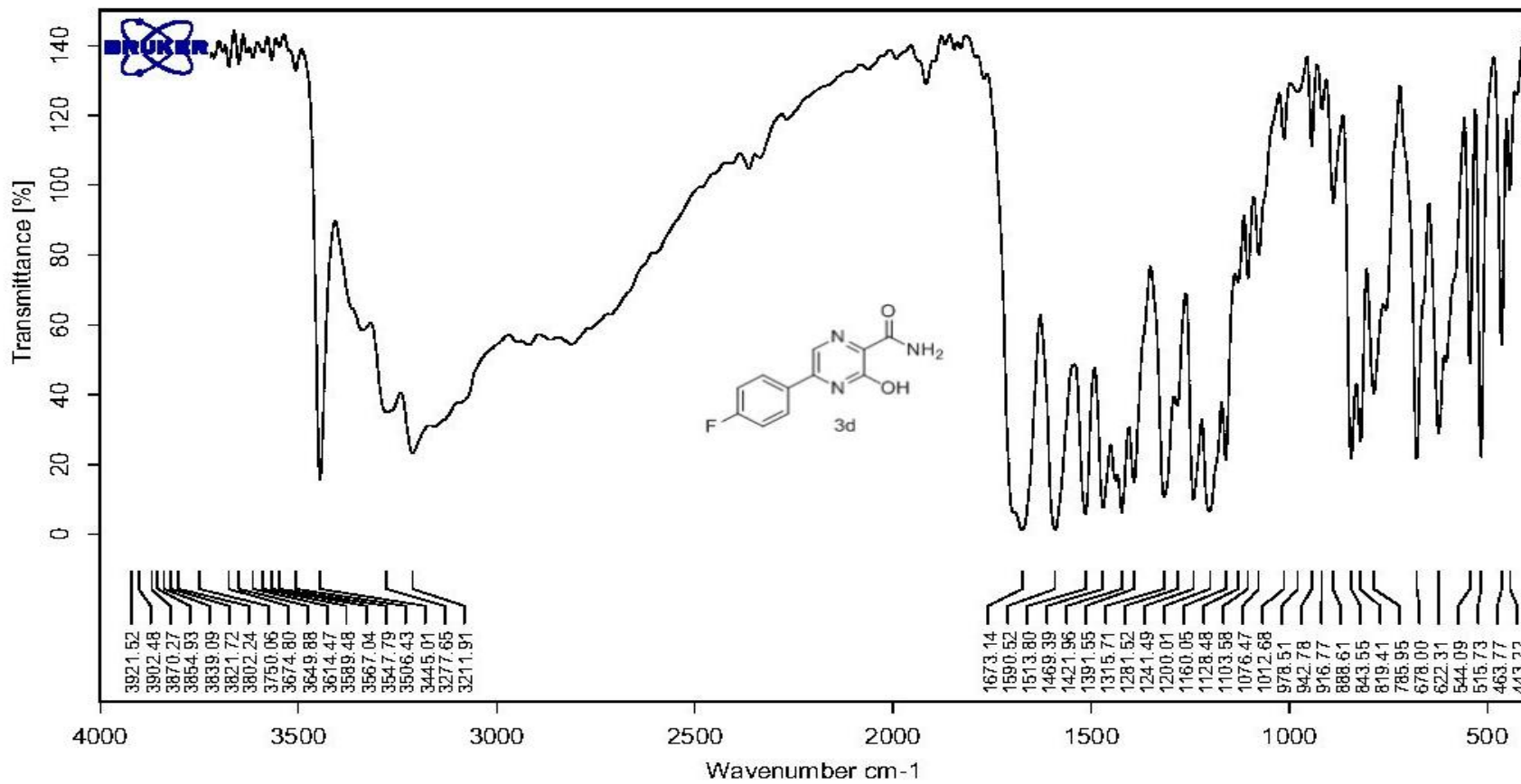
5-(4-chlorophenyl)-3-hydroxypyrazine-2-carboxamide 3c

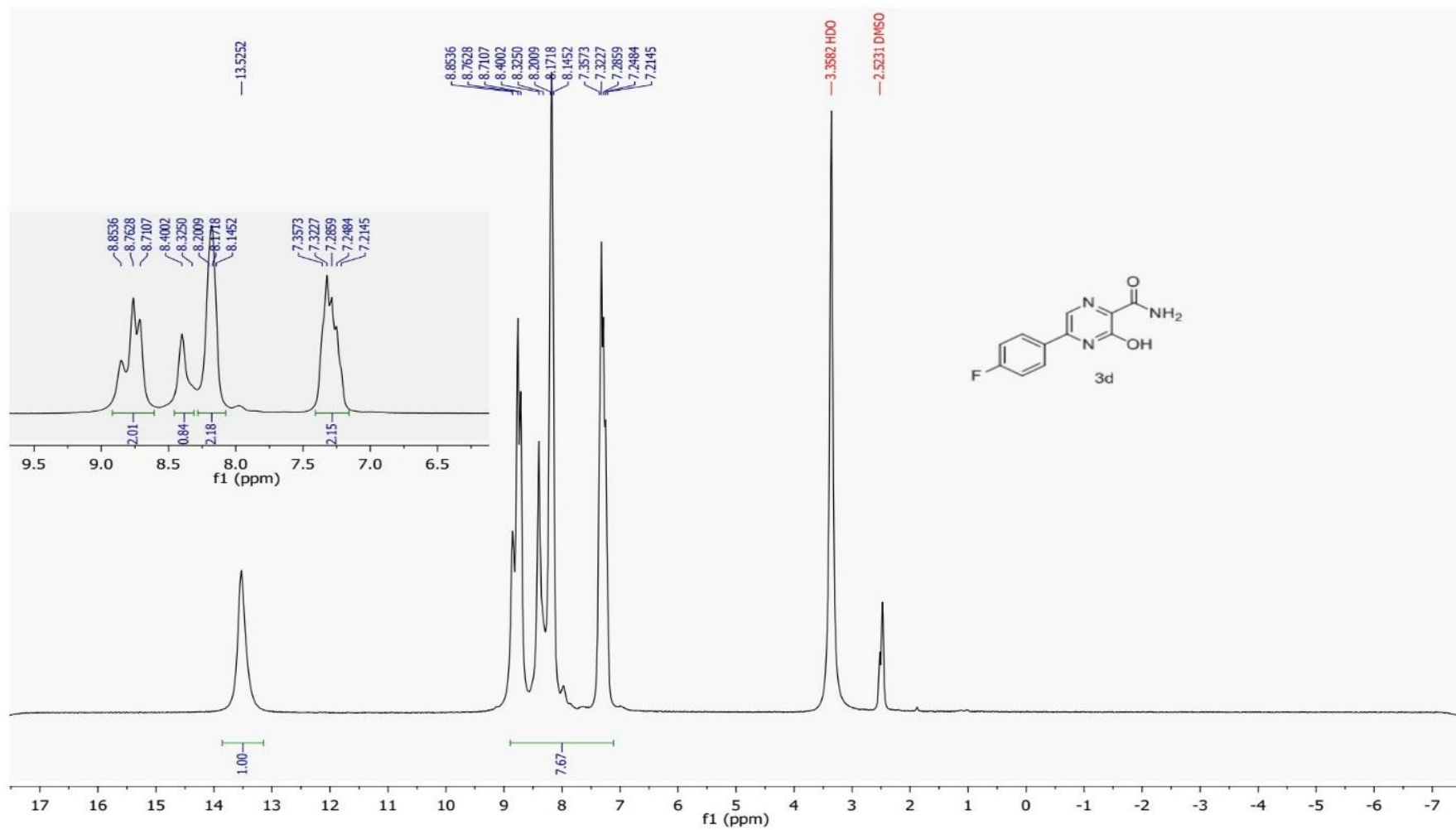


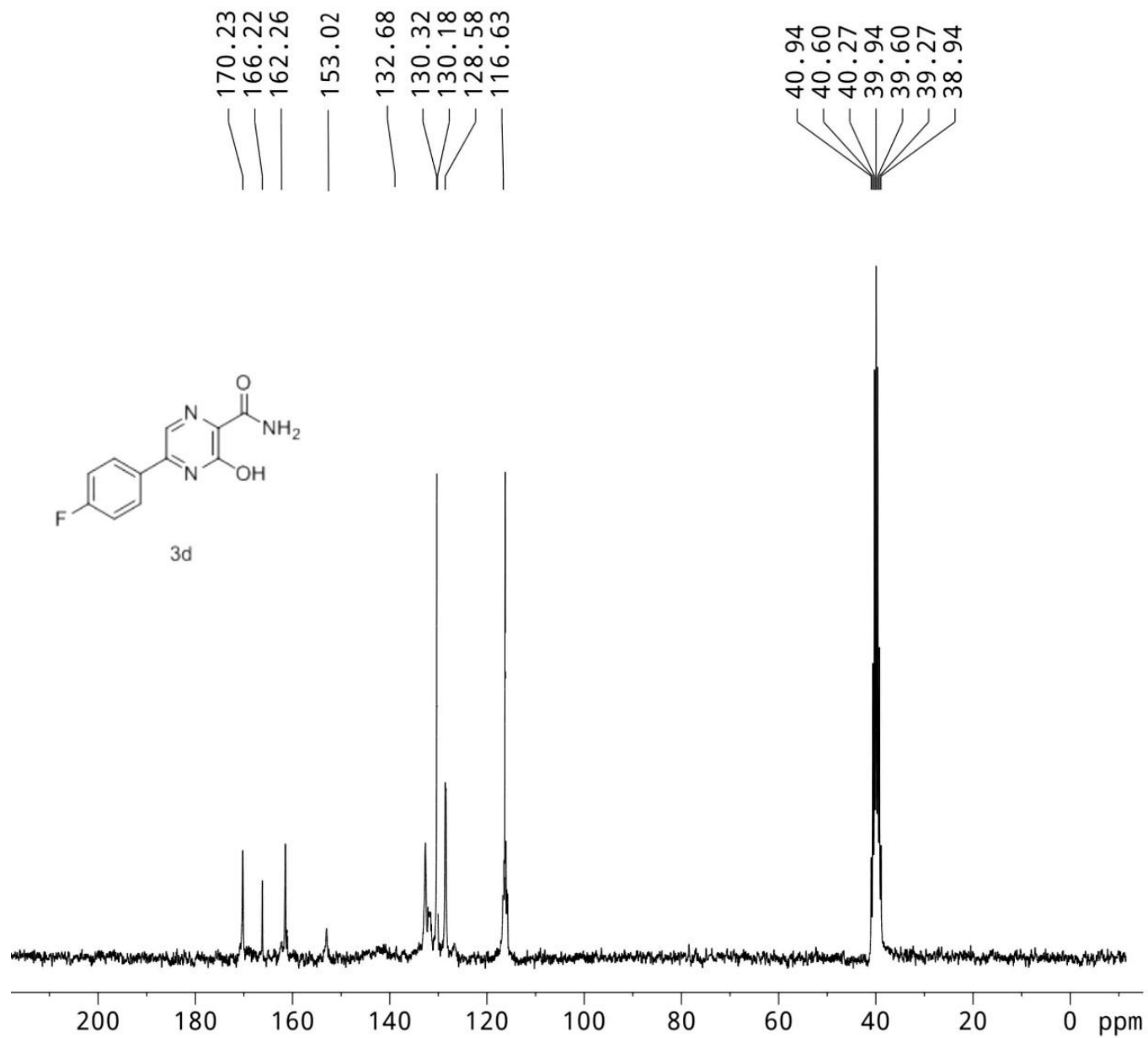
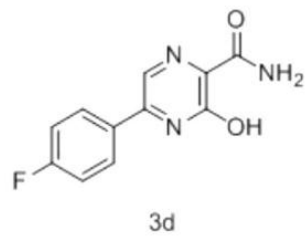




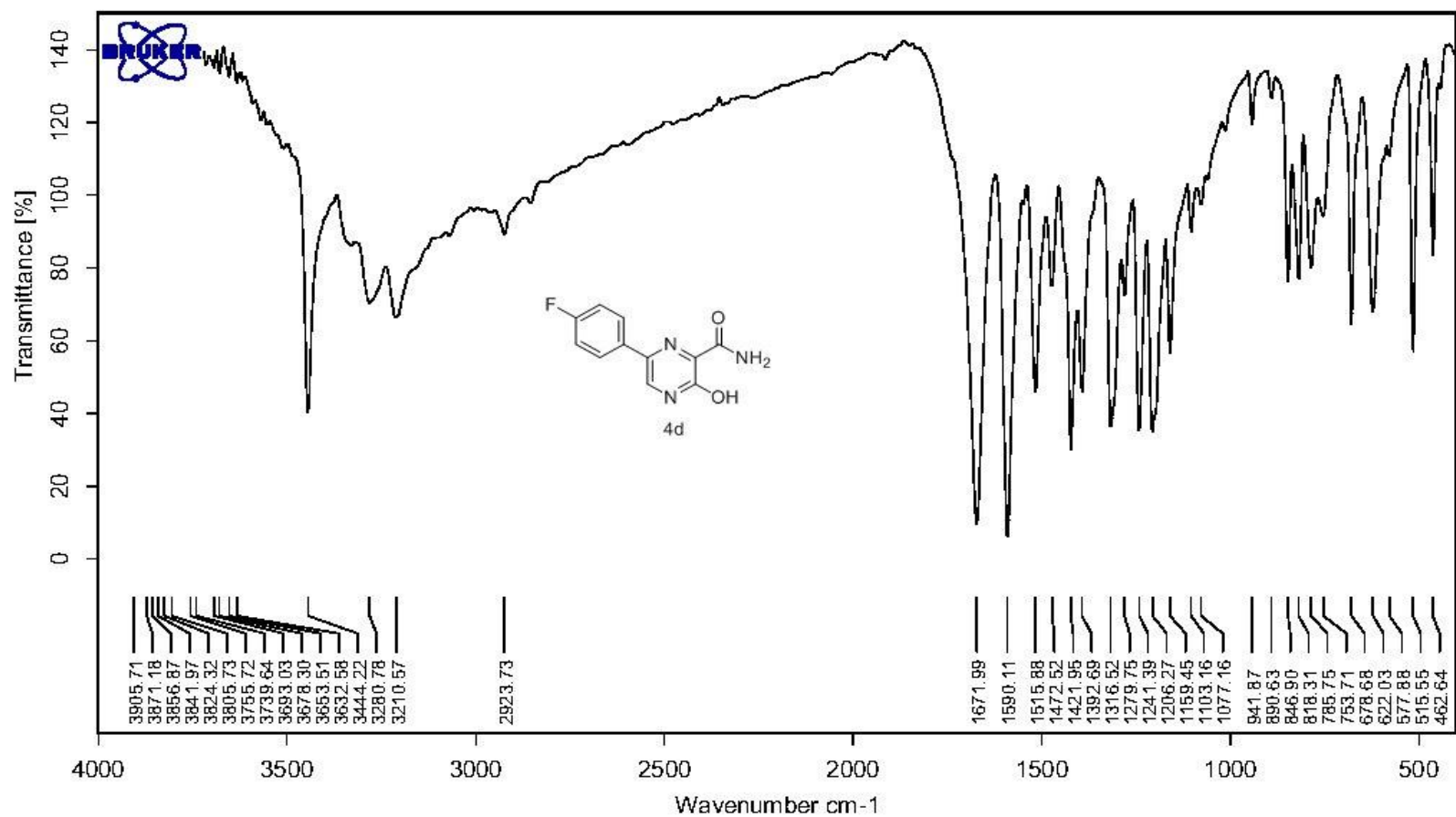
5-(4-fluorophenyl)-3-hydroxypyrazine-2-carboxamide 3d

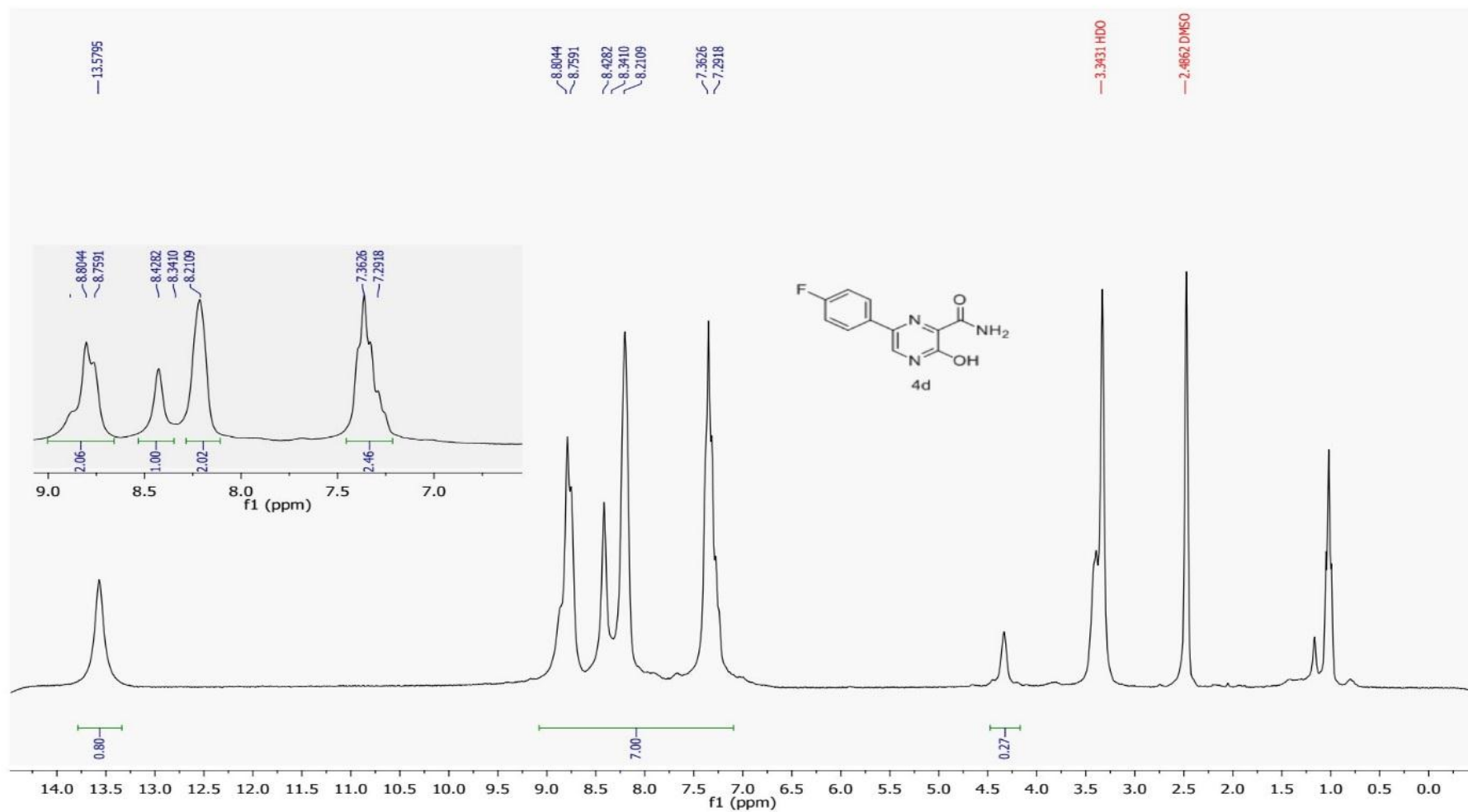


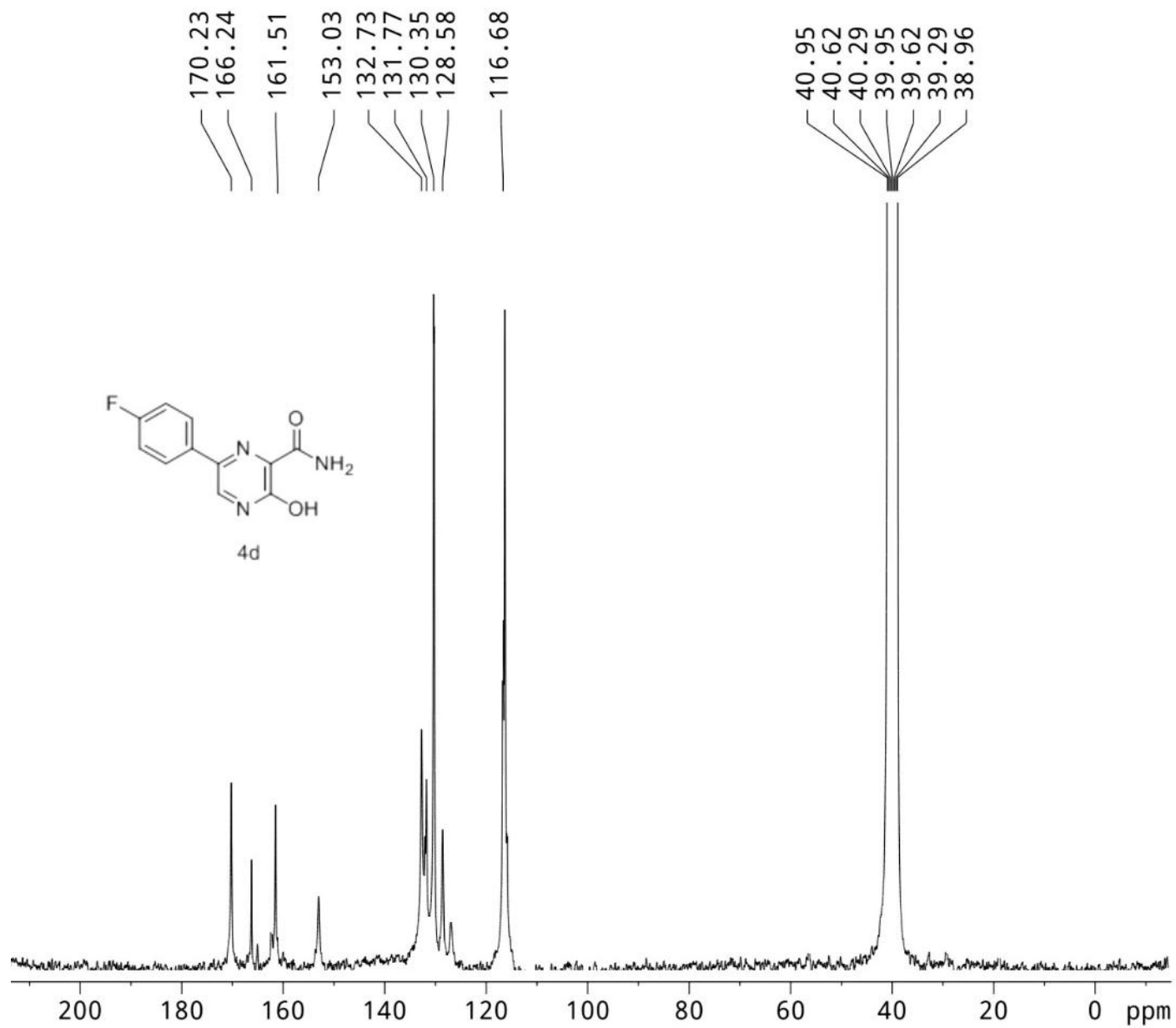
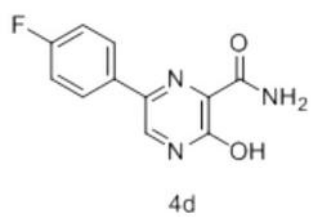




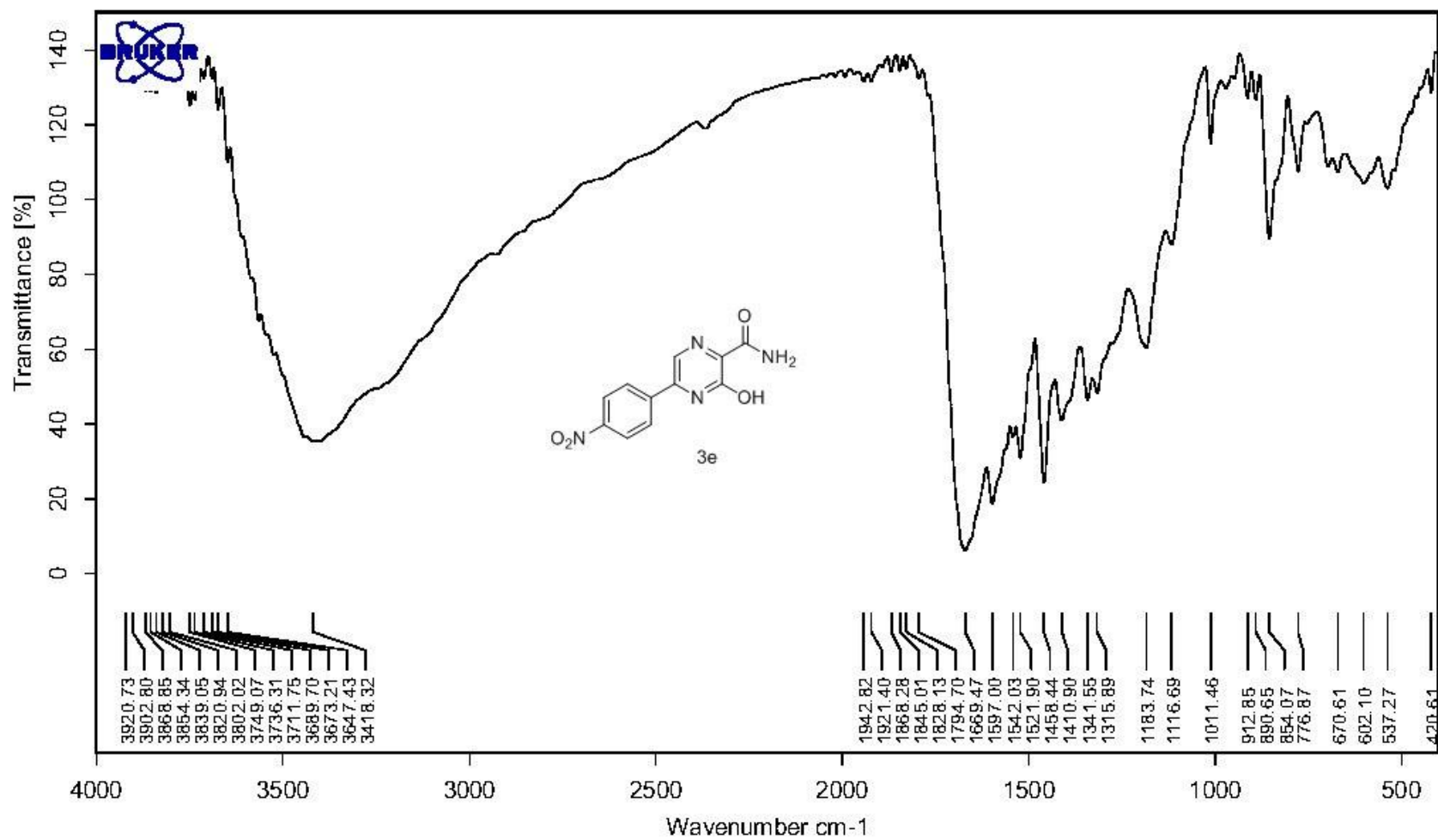
6-(4-fluorophenyl)-3-hydroxypyrazine-2-carboxamide 4d

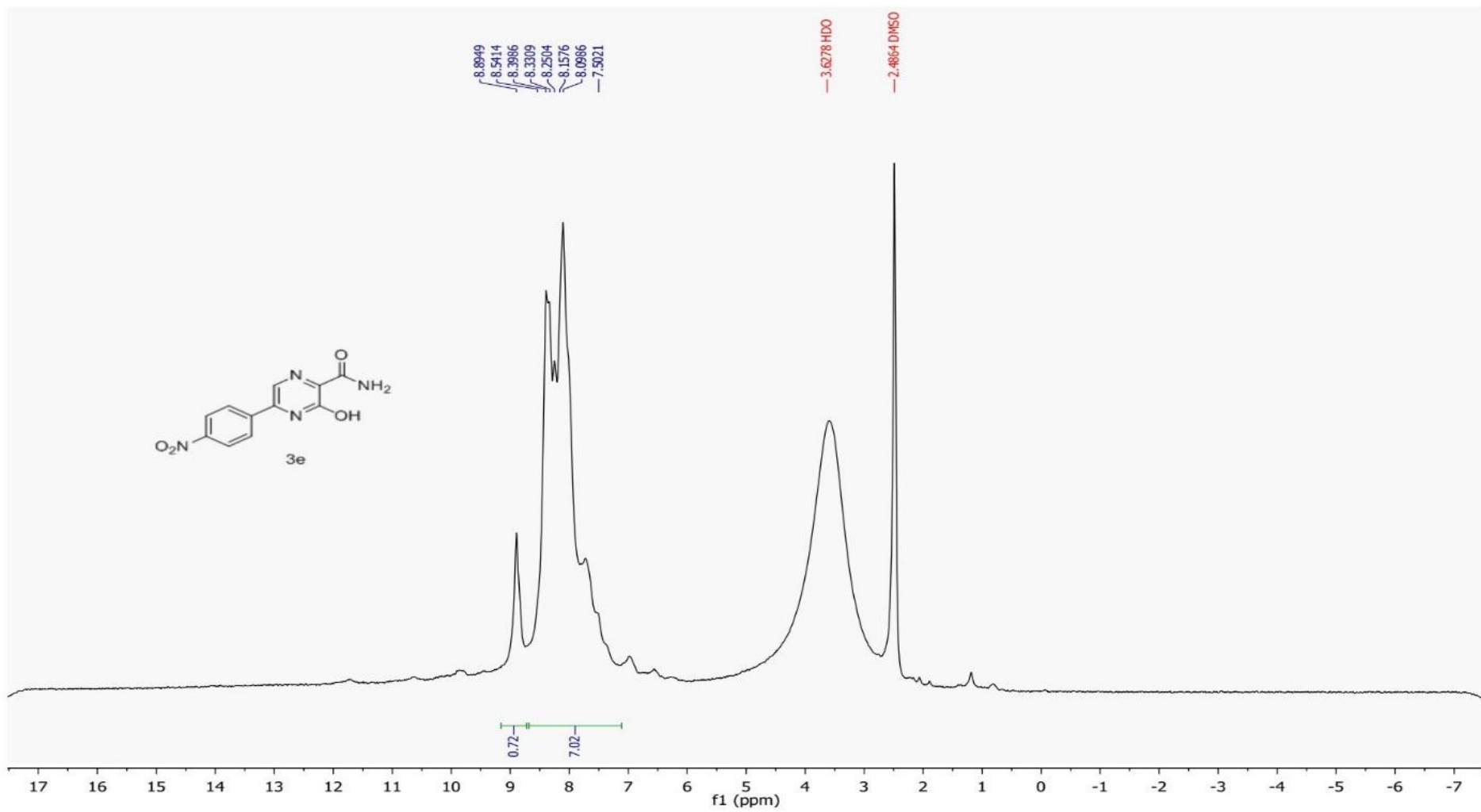


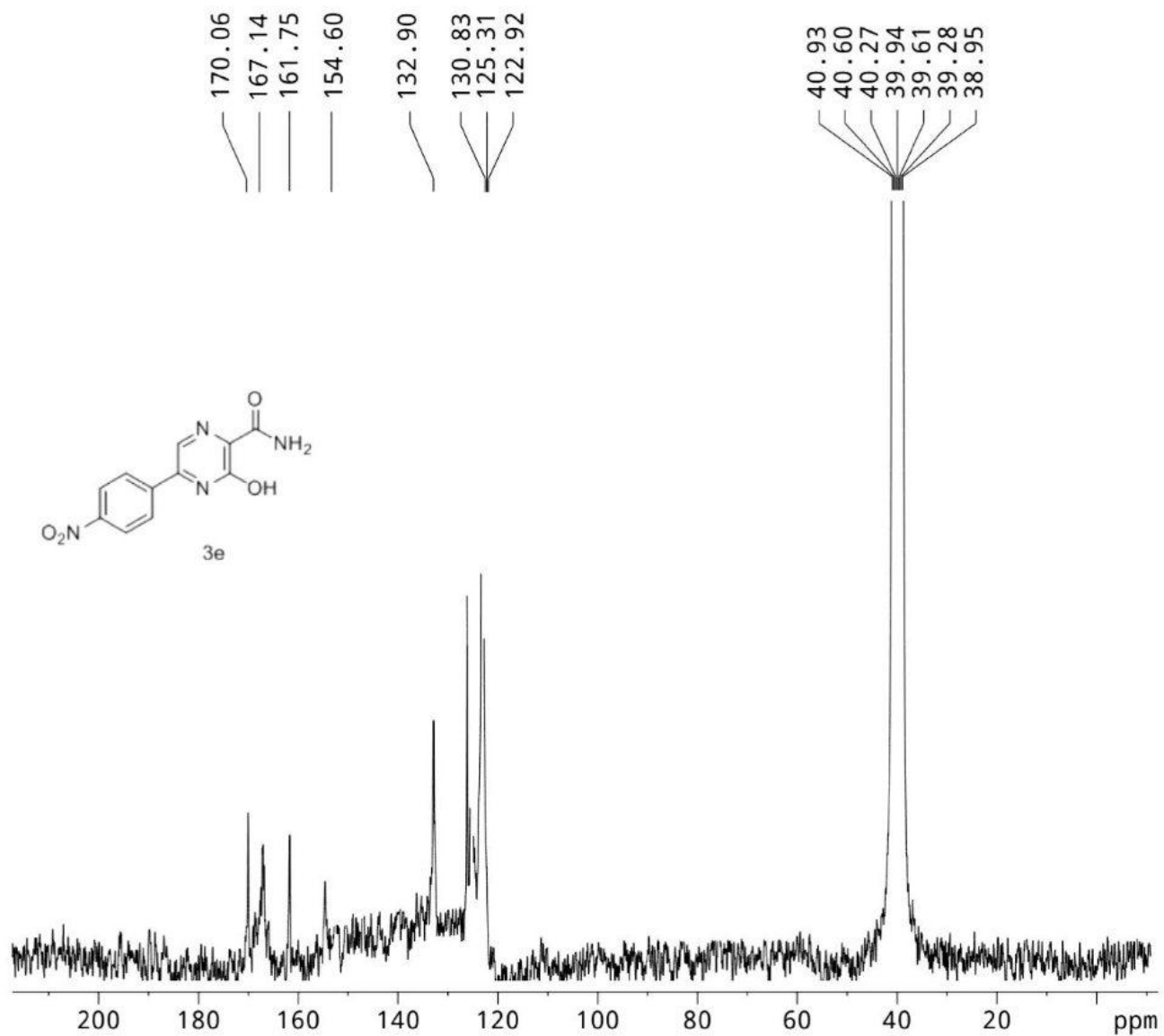
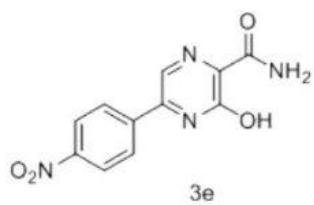




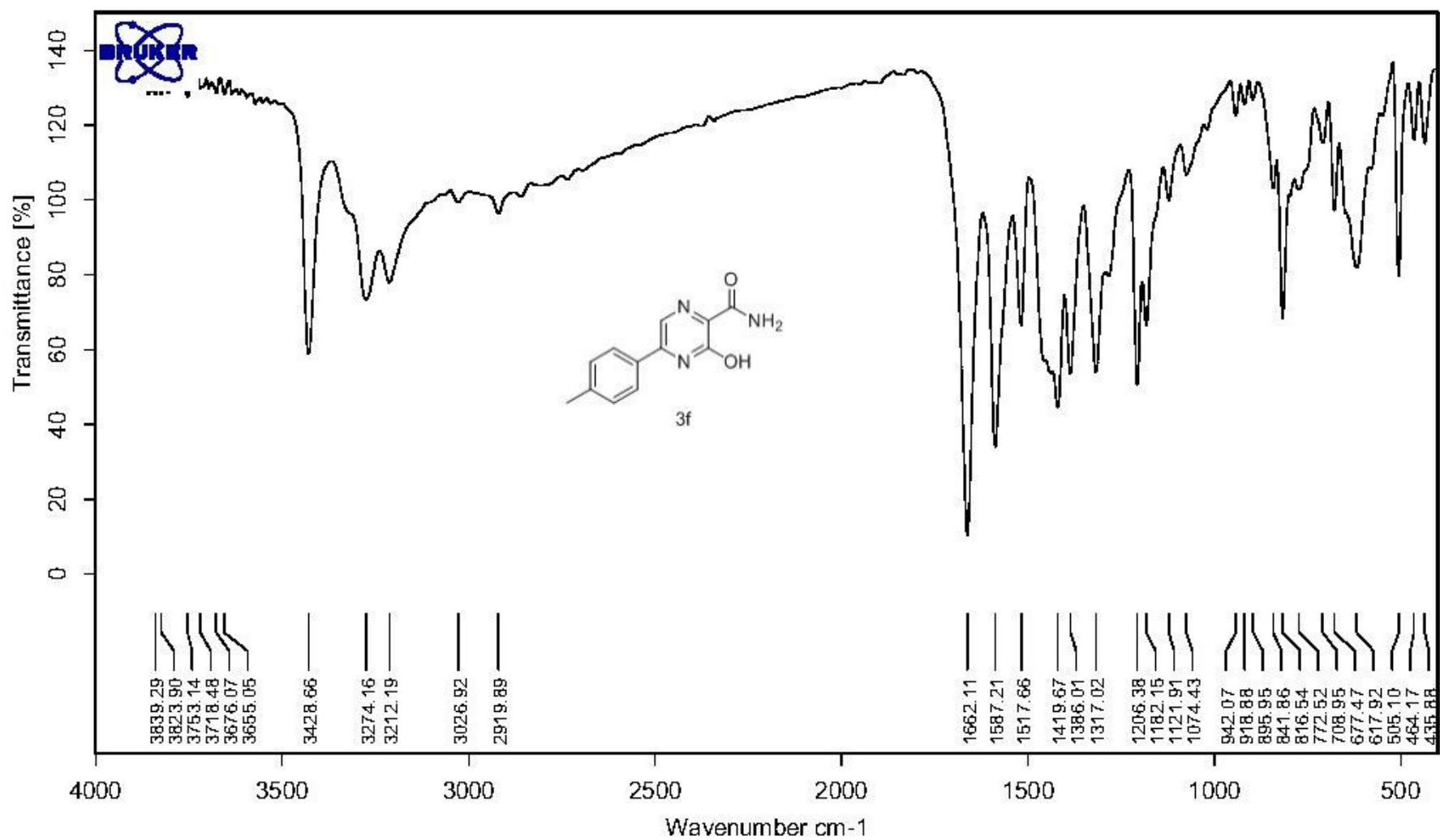
3-hydroxy-5-(4-nitrophenyl)pyrazine-2-carboxamide 3e

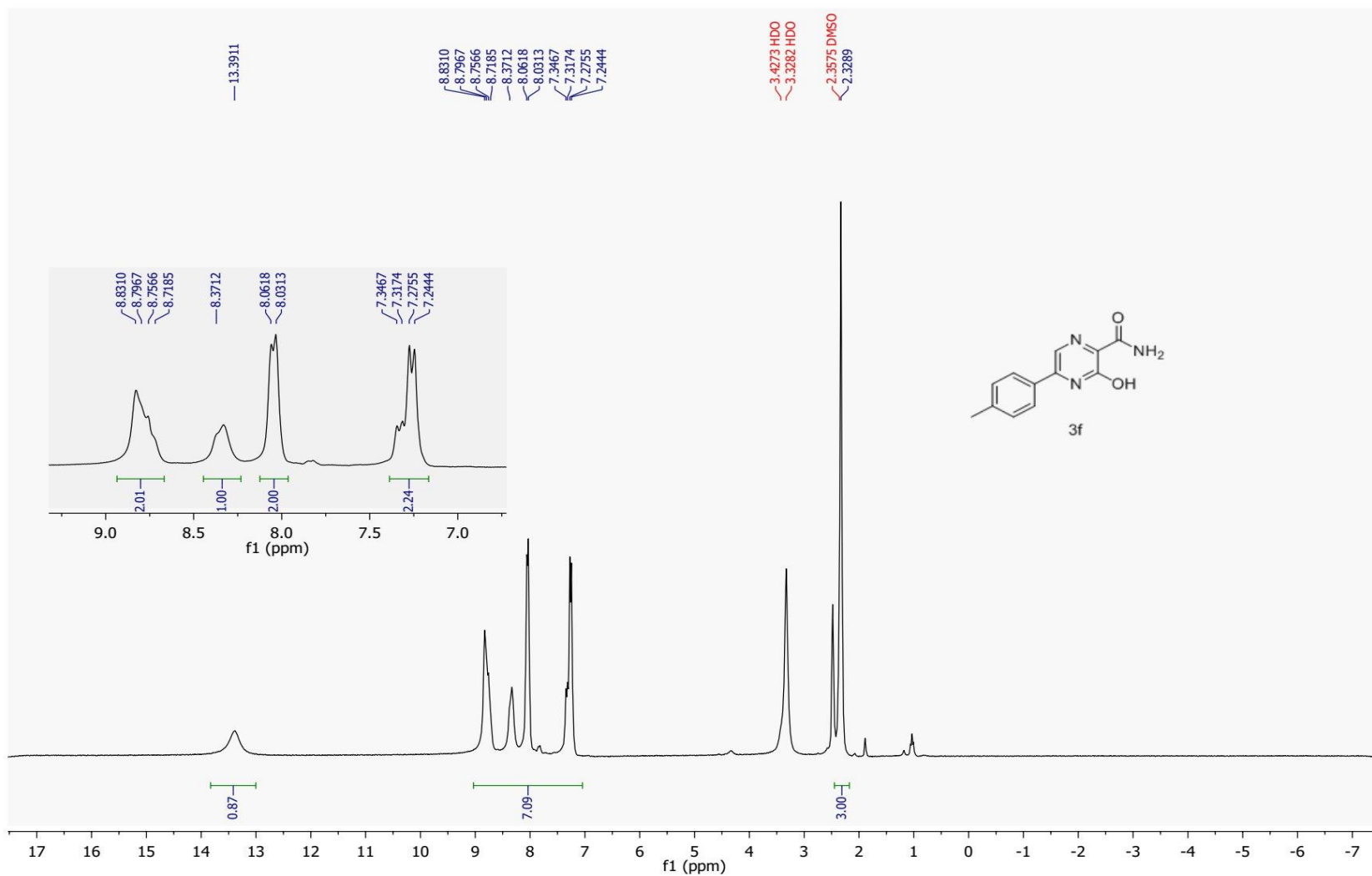


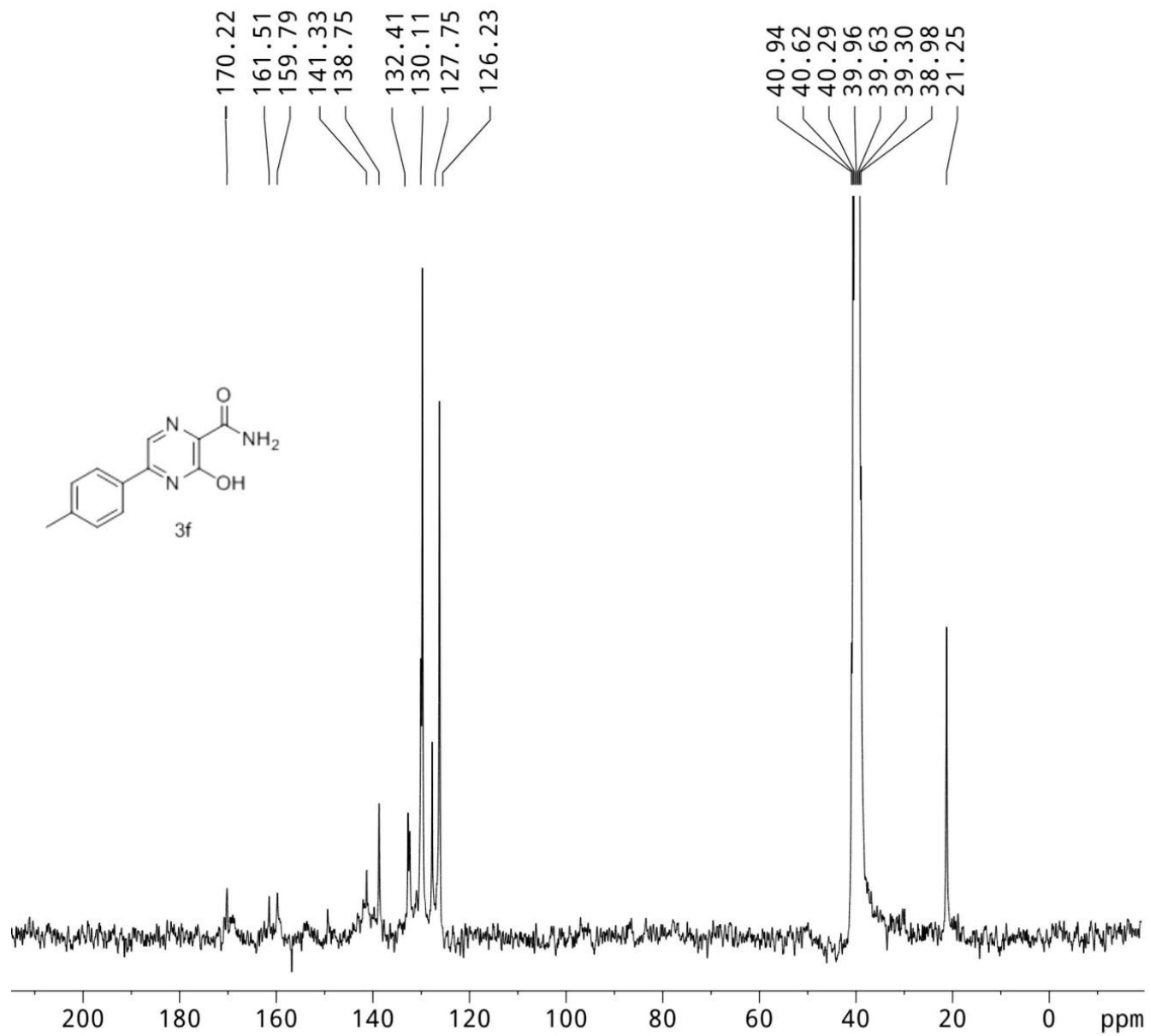
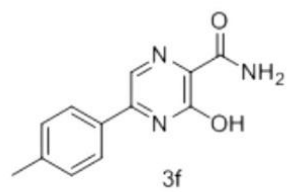




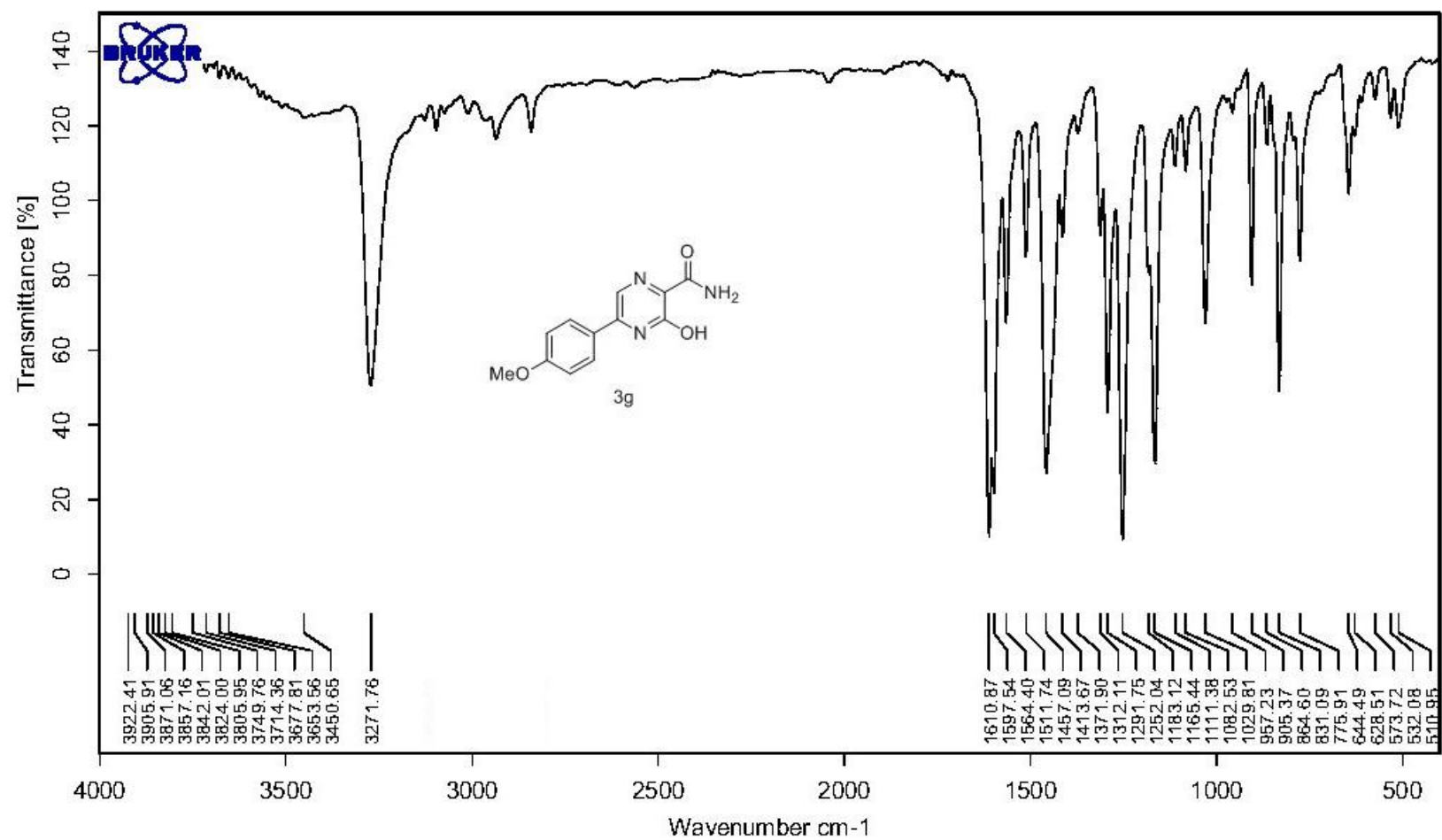
3-hydroxy-5-(p-tolyl)pyrazine-2-carboxamide 3f

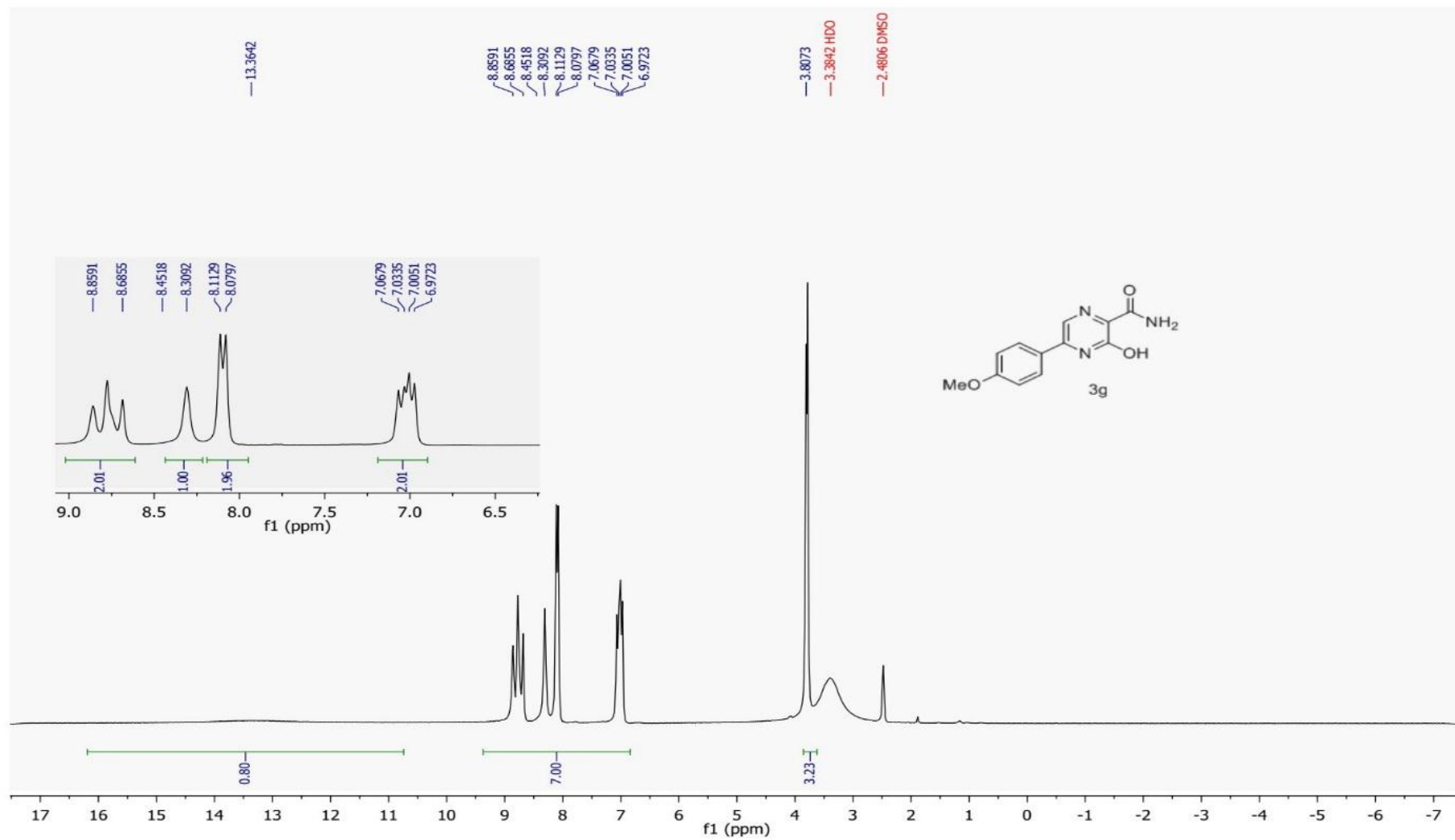


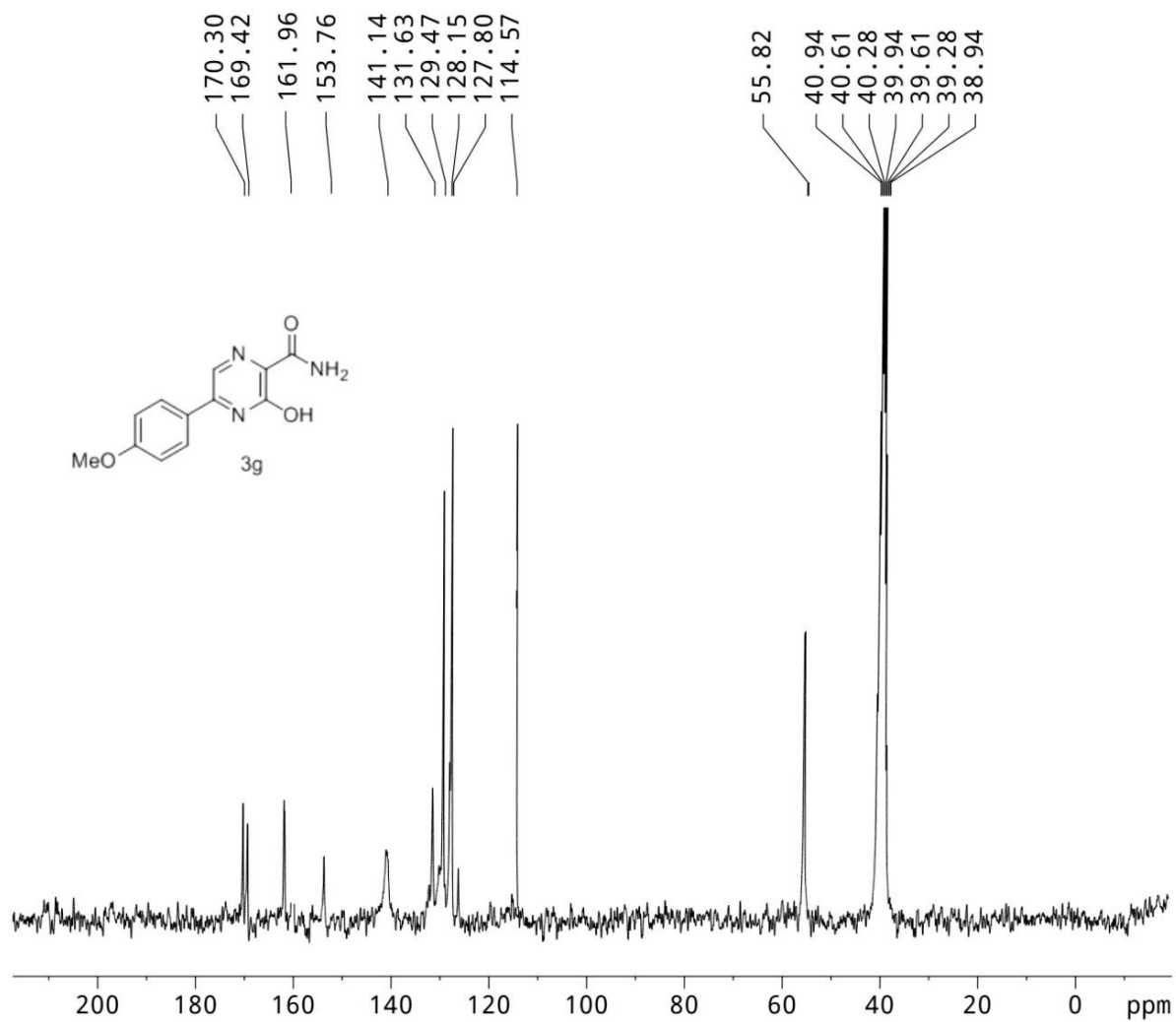
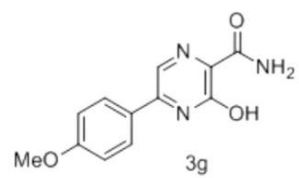




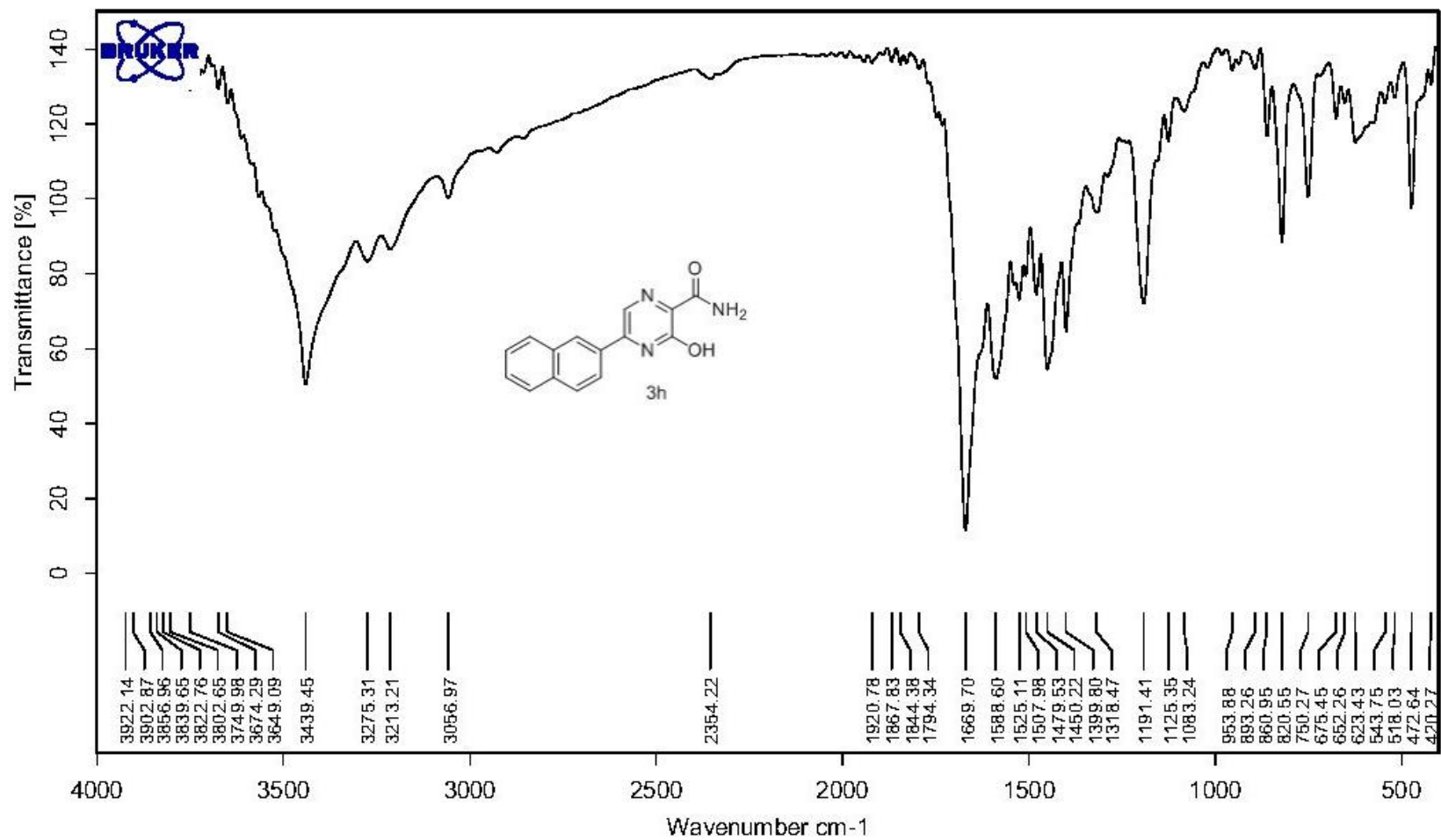
3-hydroxy-5-(4-methoxyphenyl)pyrazine-2-carboxamide 3g

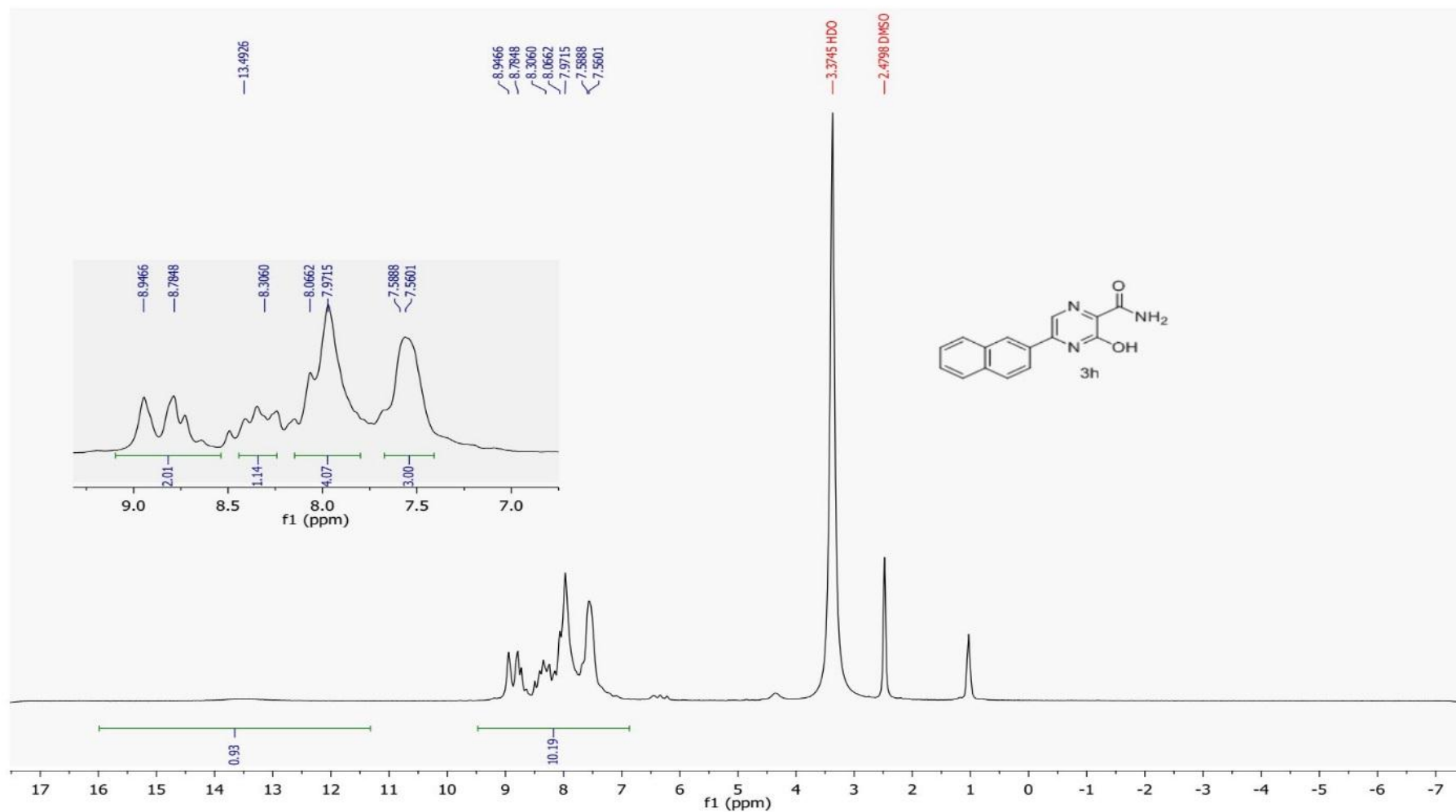


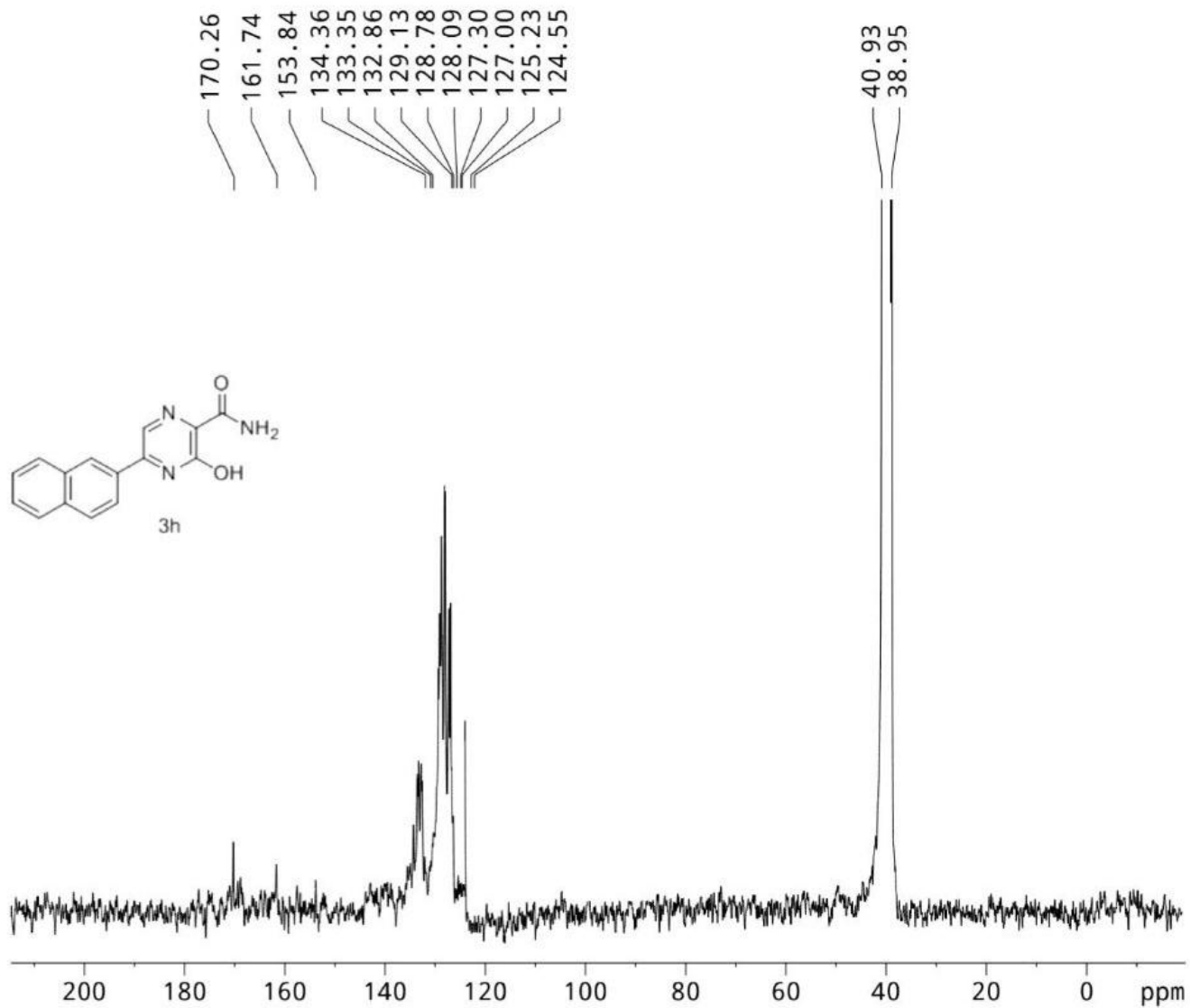




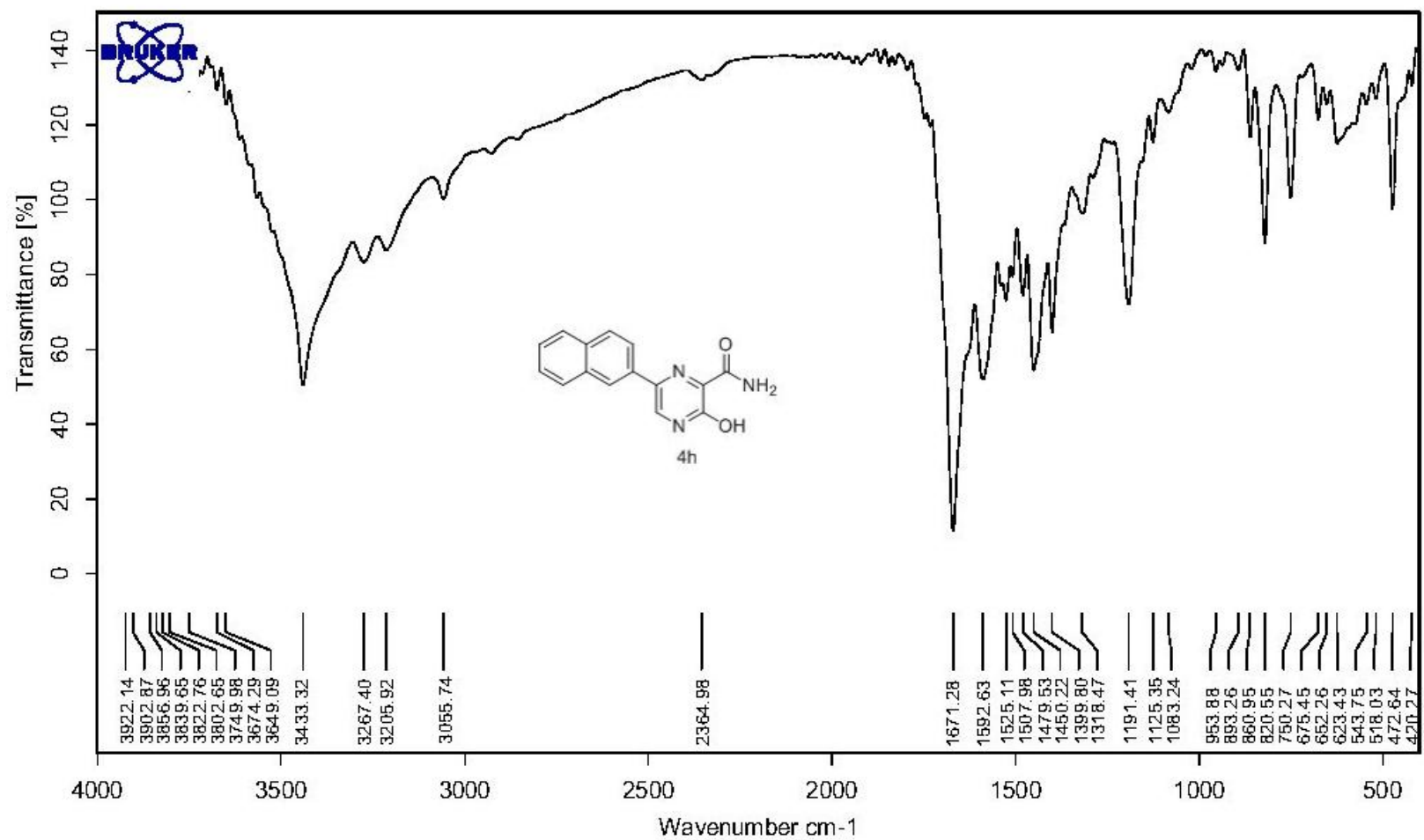
3-hydroxy-5-(naphthalen-2-yl)pyrazine-2-carboxamide 3h

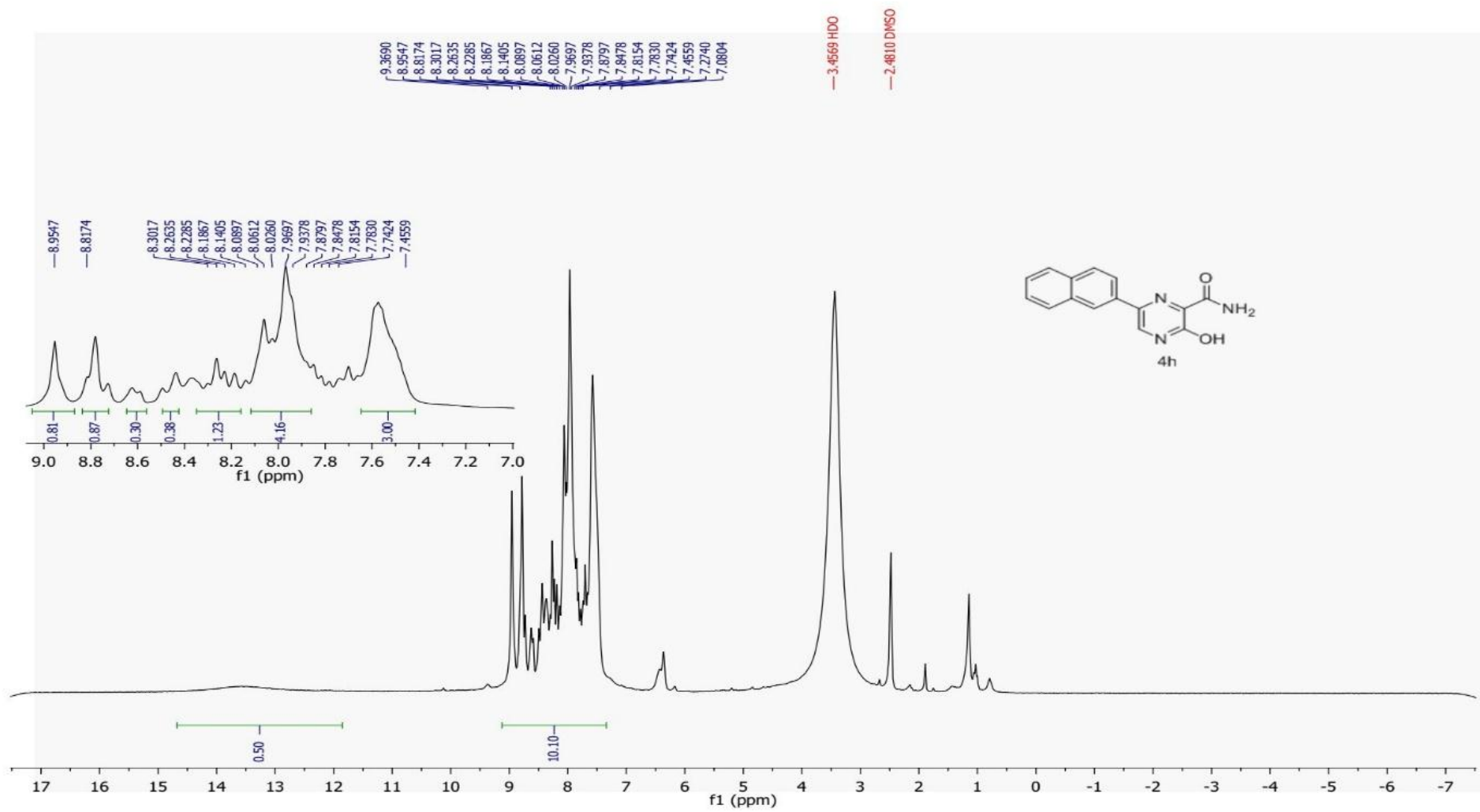


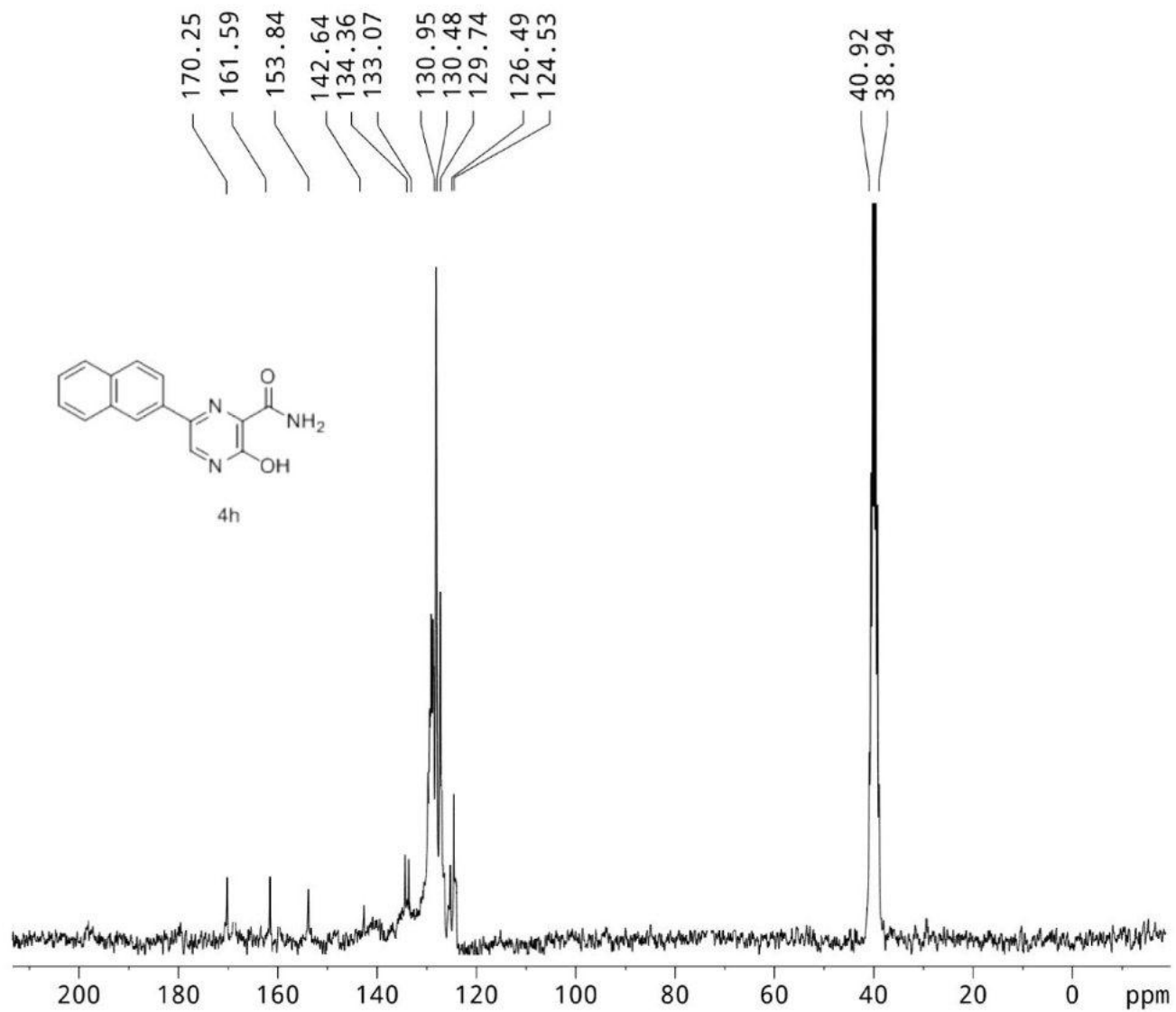




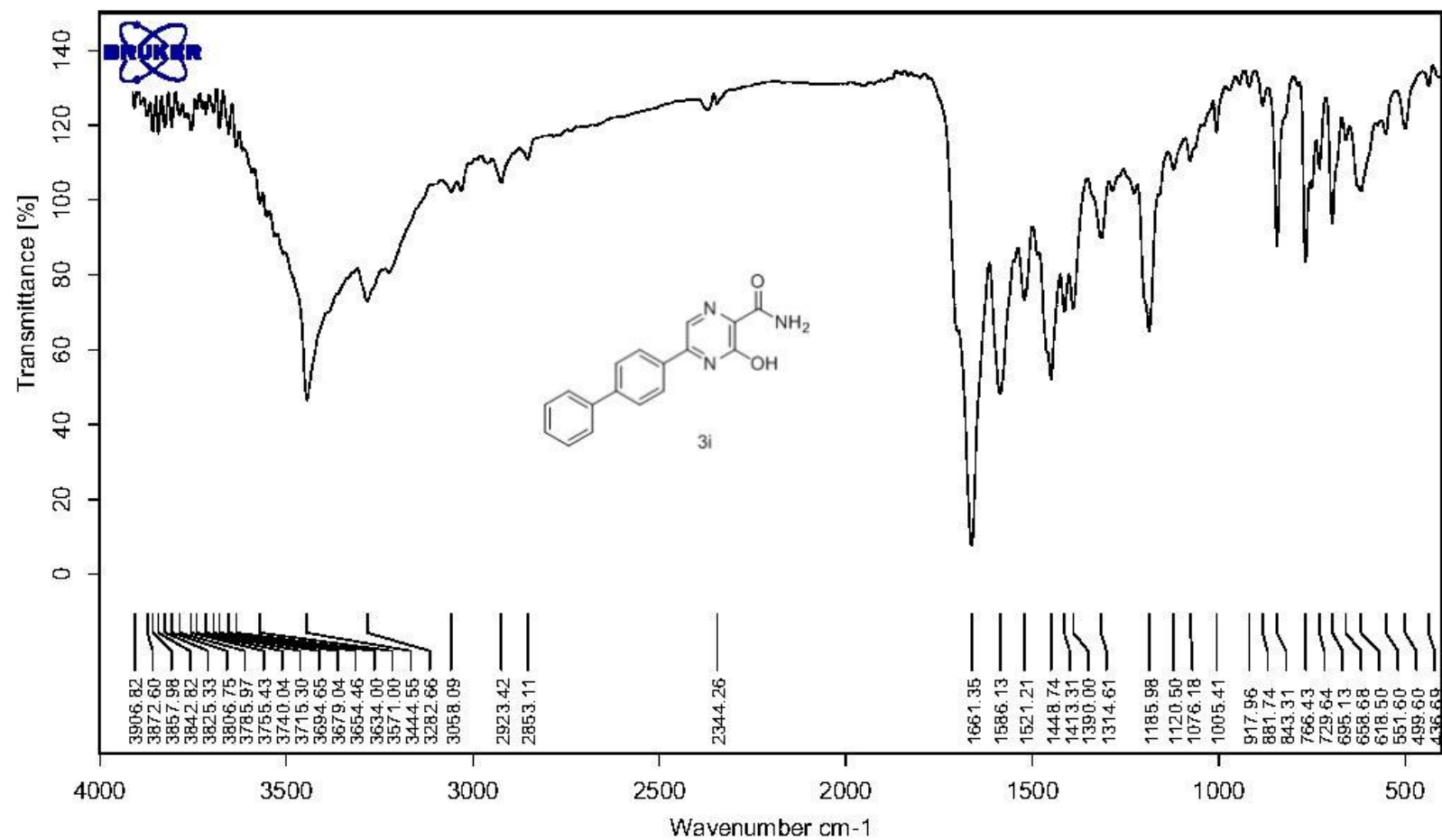
3-hydroxy-6-(naphthalen-2-yl)pyrazine-2-carboxamide 4h

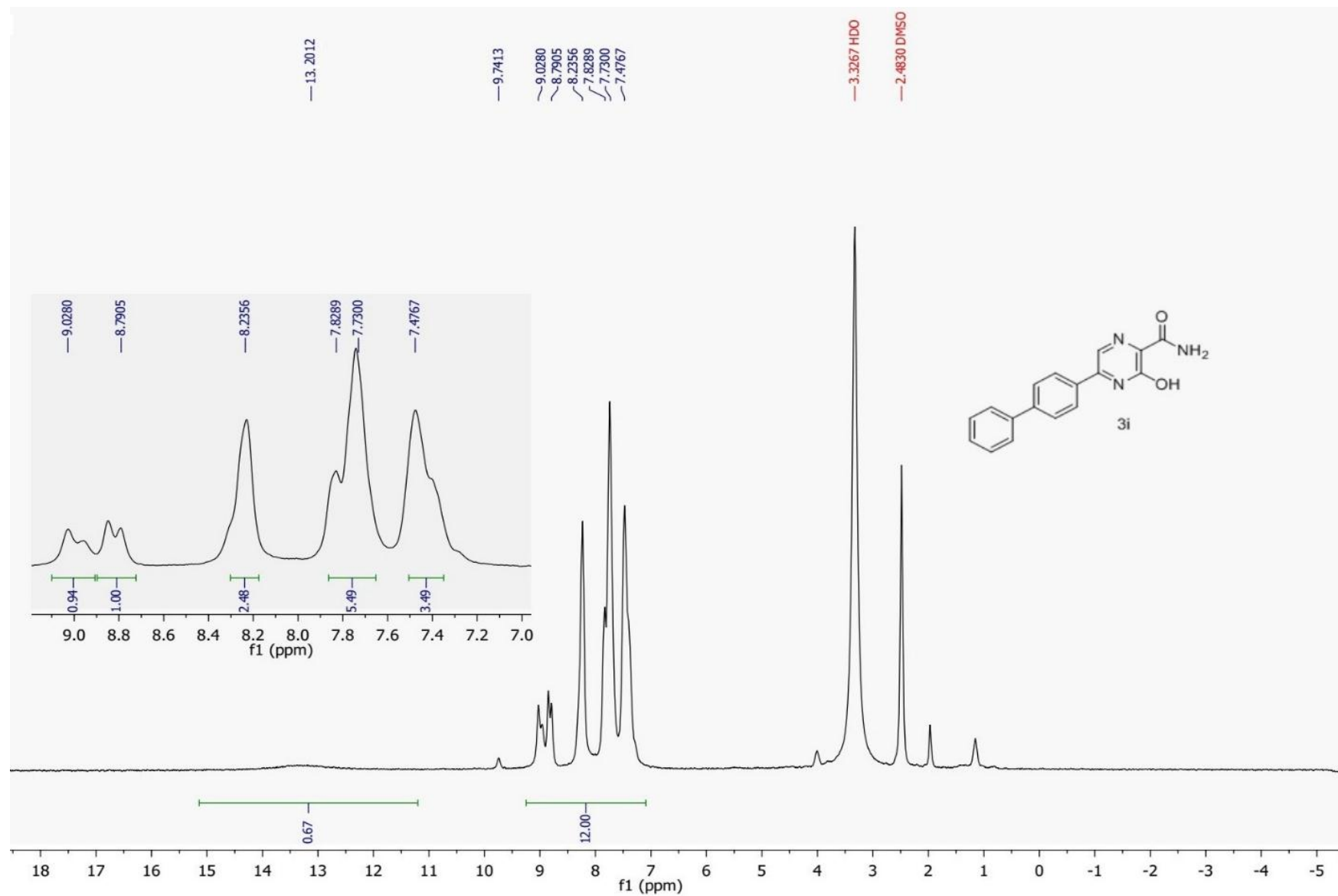


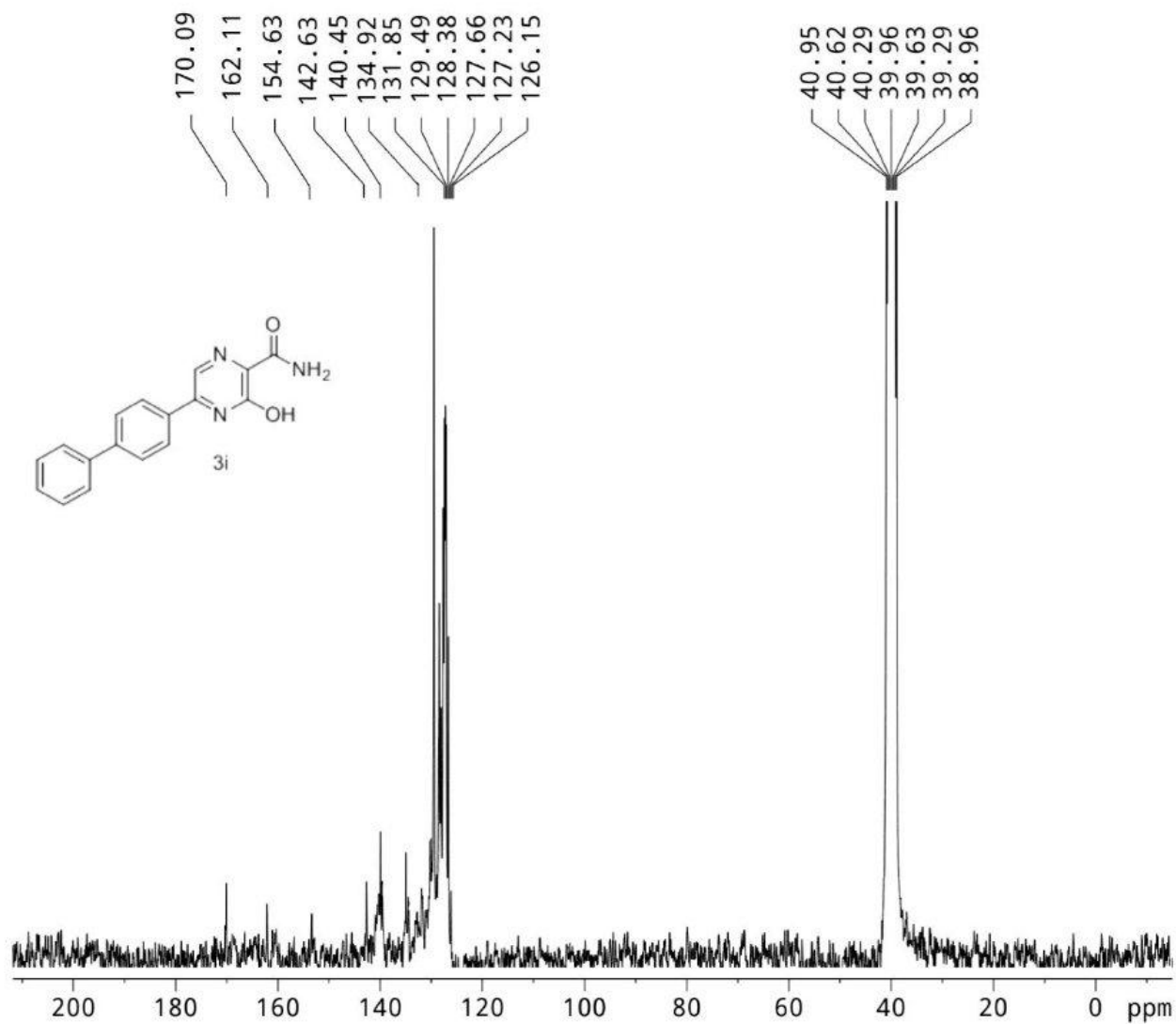




5-([1,1'-biphenyl]-4-yl)-3-hydroxypyrazine-2-carboxamide **3i**







6-([1,1'-biphenyl]-4-yl)-3-hydroxypyrazine-2-carboxamide 4i

