

# Synthesis of *N*-acyl sulfamates from fluorosulfonates and potassium trimethylsilyloxy imidates

## Supporting information

Shuning Zhang <sup>a,b</sup>, Huan Xiong <sup>a</sup>, Fengping Lu <sup>a</sup>, Fei Ma <sup>a</sup>, Yuang Gu <sup>a</sup>, Peixiang Ma <sup>a,\*</sup>, Hongtao Xu <sup>a,\*</sup> and

Guang Yang <sup>a,\*</sup>

<sup>a</sup> Shanghai Institute for Advanced Immunochemical Studies, ShanghaiTech University, 201210 Shanghai, China

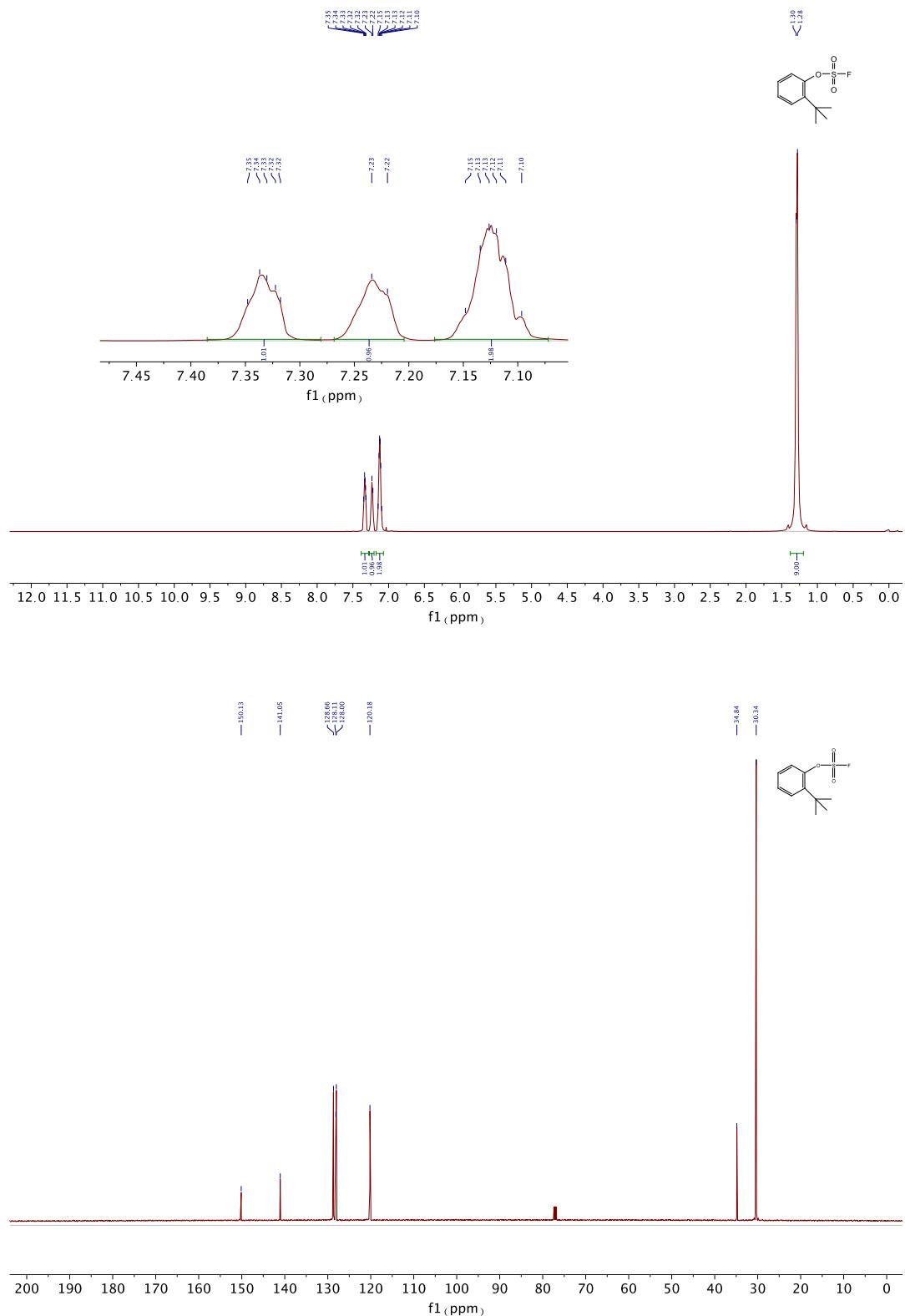
<sup>b</sup> School of Life Science and Technology, ShanghaiTech University, 201210 Shanghai, China

## 1. Contents

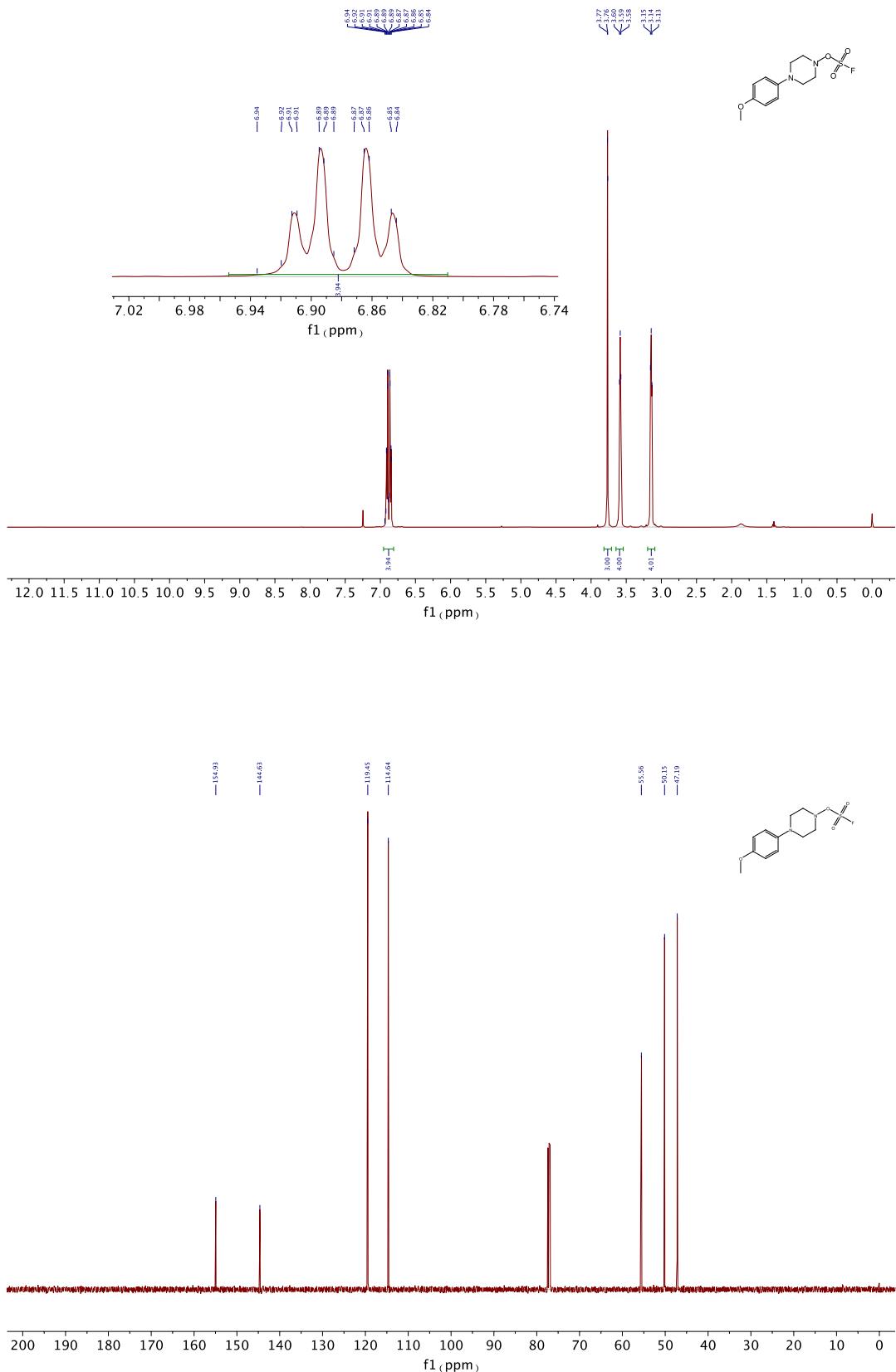
<sup>1</sup> H and <sup>13</sup> C NMR spectra of new compouns.....	S2
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***<sup>1</sup>H and <sup>13</sup>C NMR spectra of new compounds***

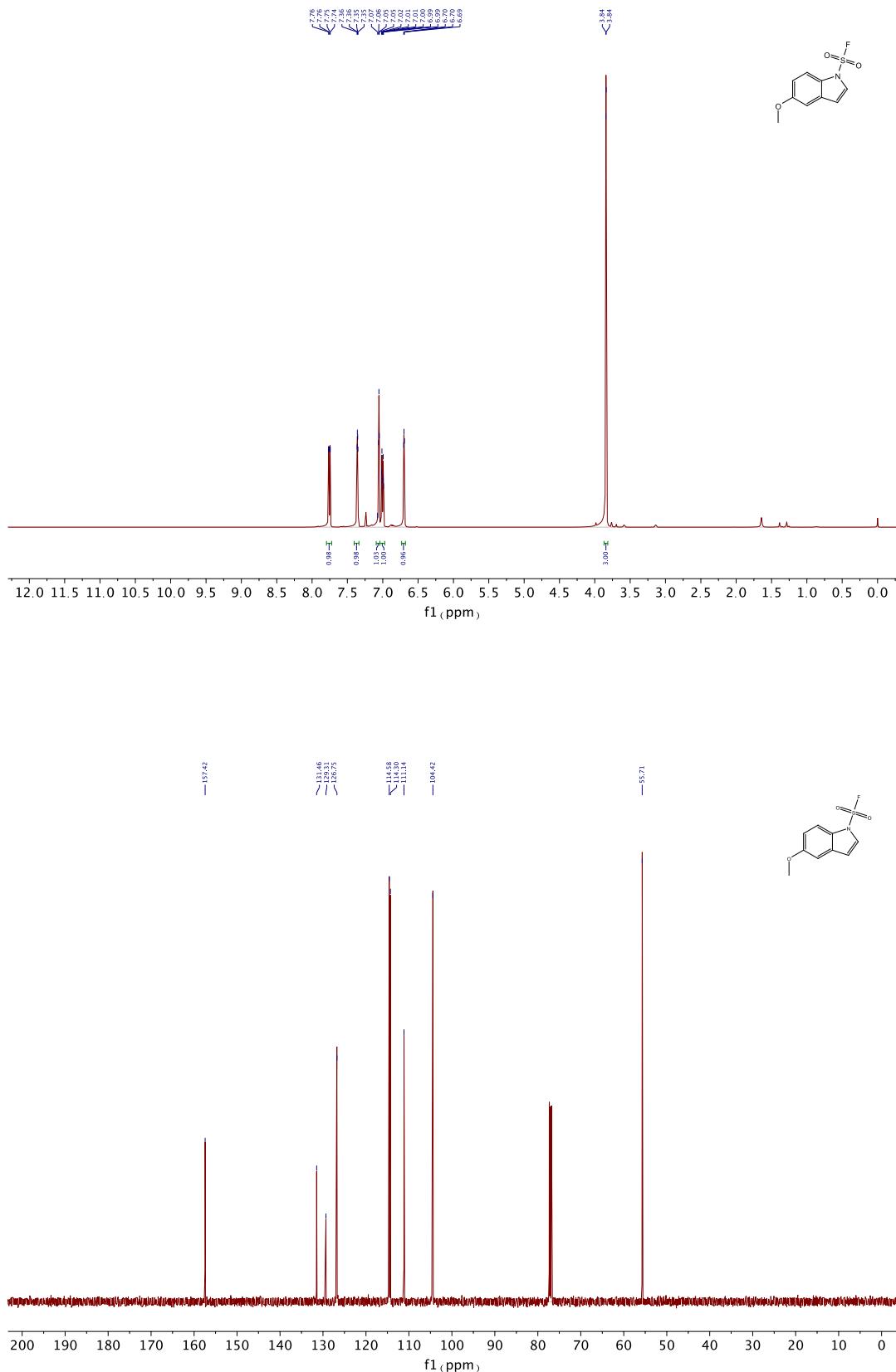
*I-(4-methoxyphenyl)piperazine (**1c1**):*



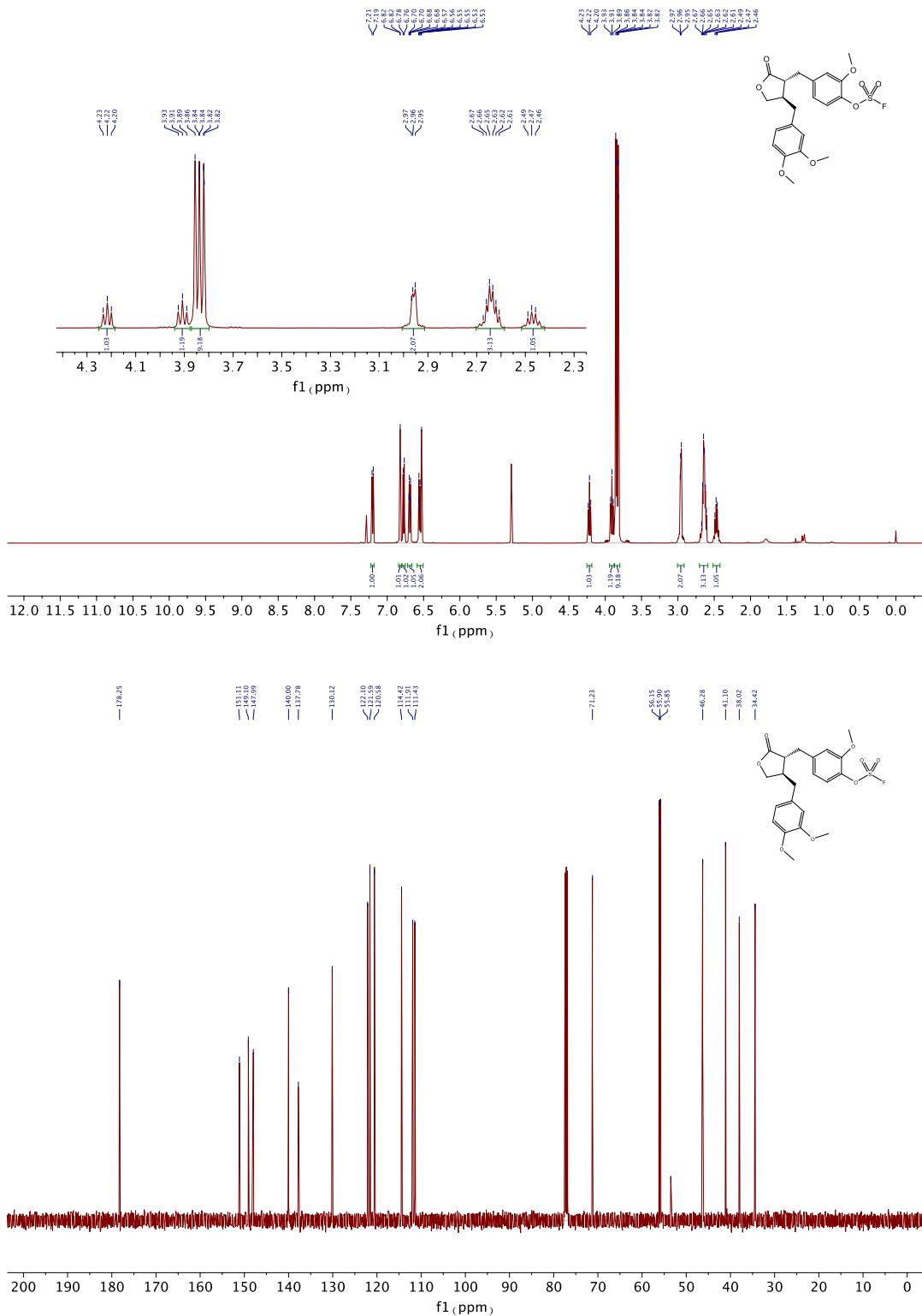
*I-(4-methoxyphenyl)piperazine (**1m**)*



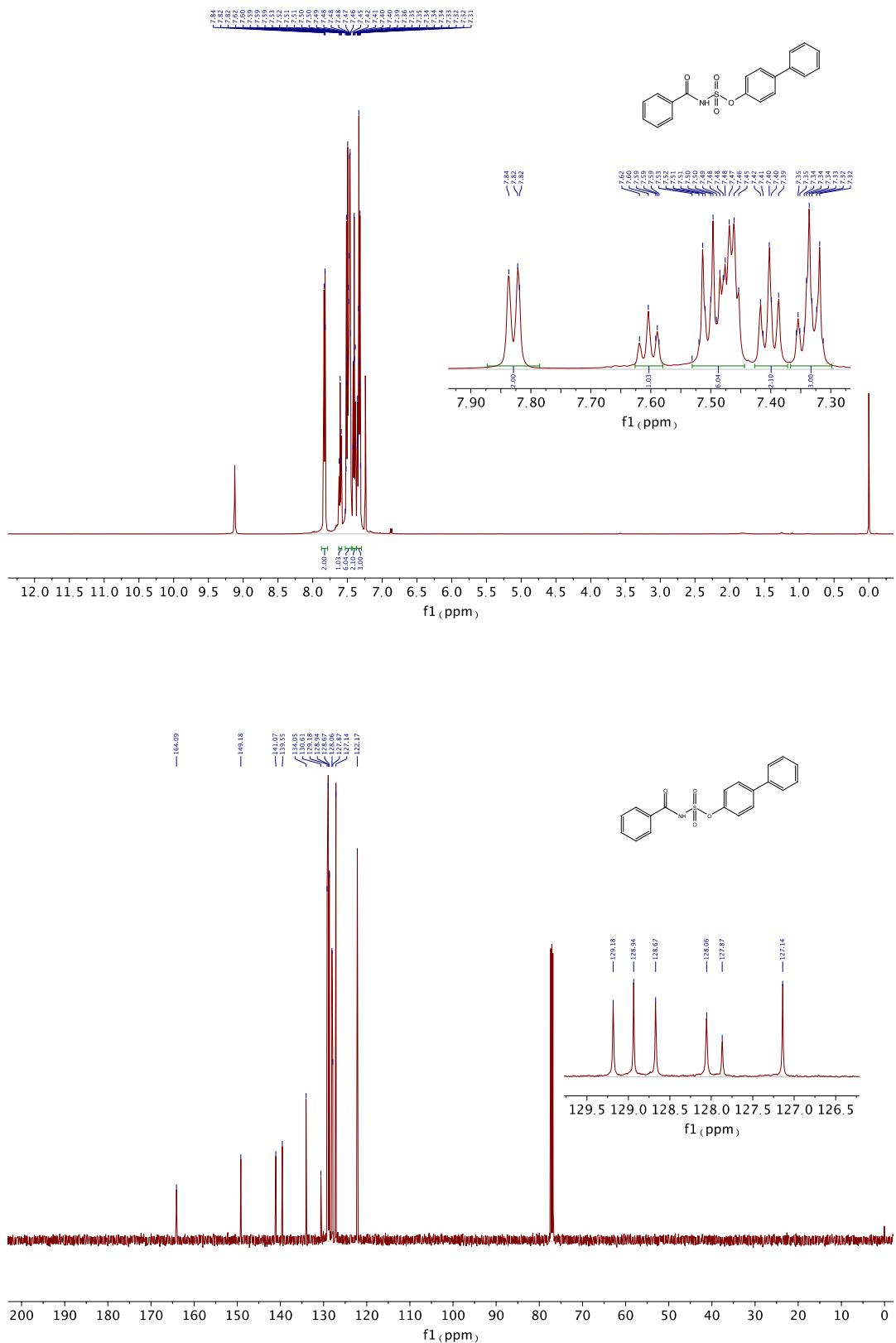
*5-methoxy-1*H*-indole-1-sulfonyl fluoride (**1n**)*



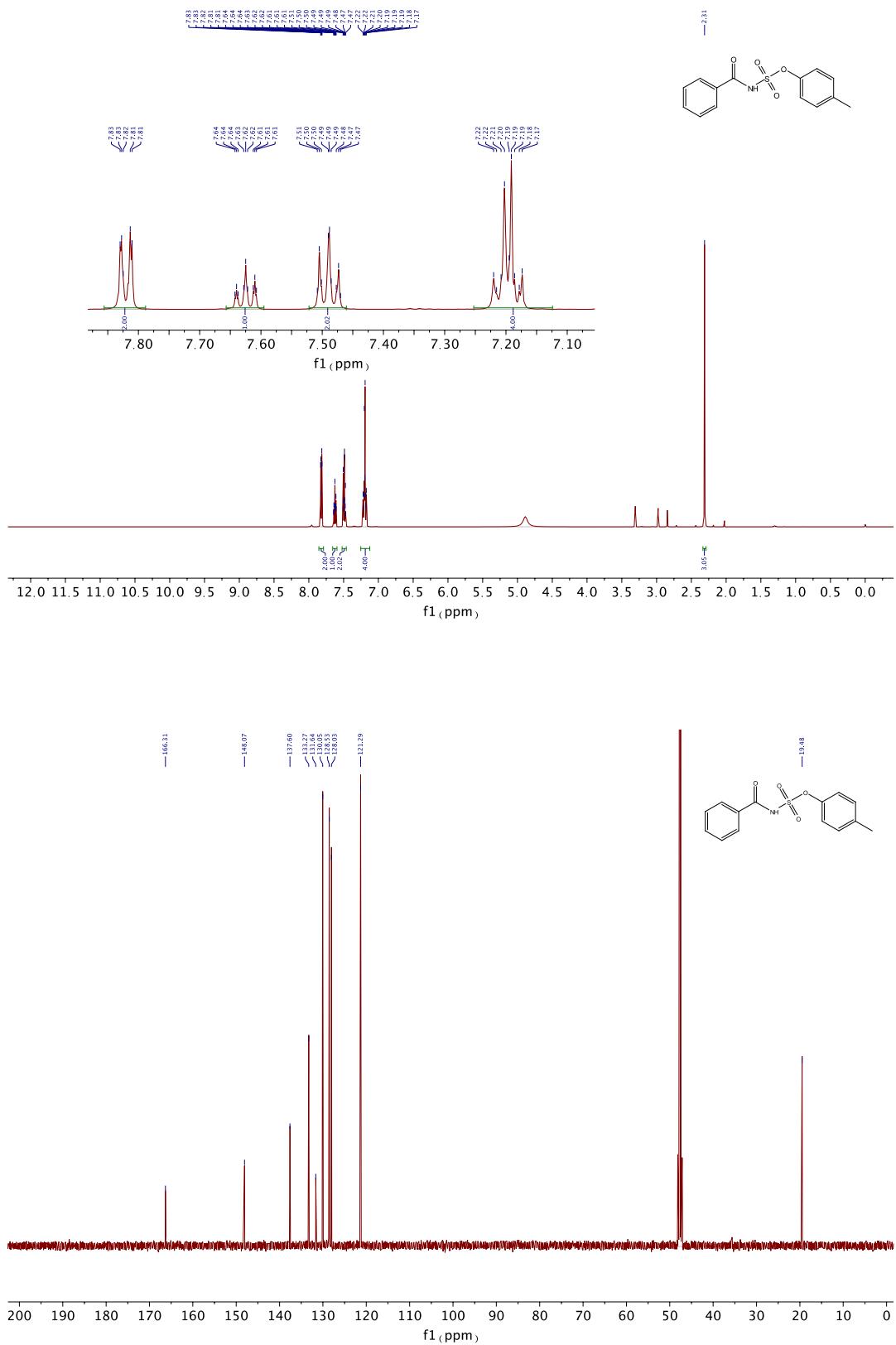
**4-(((3*R*,4*R*)-4-(3,4-dimethoxybenzyl)-2-oxotetrahydrofuran-3-yl)methyl)-2-methoxyphenyl sulfurofluoridate (**1s**)**



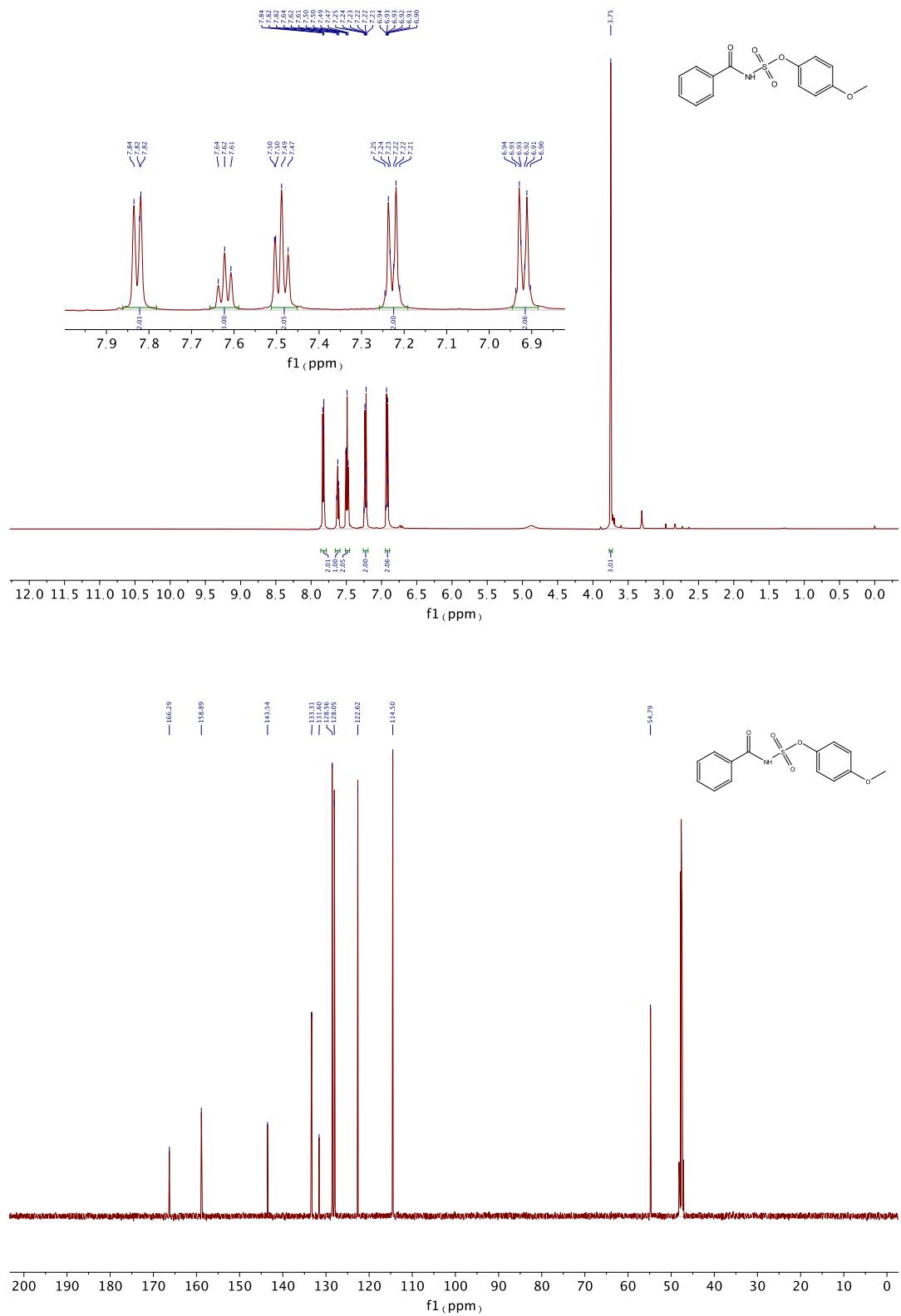
[1,1'-biphenyl]-4-yl benzoylsulfamate (**3a1**)



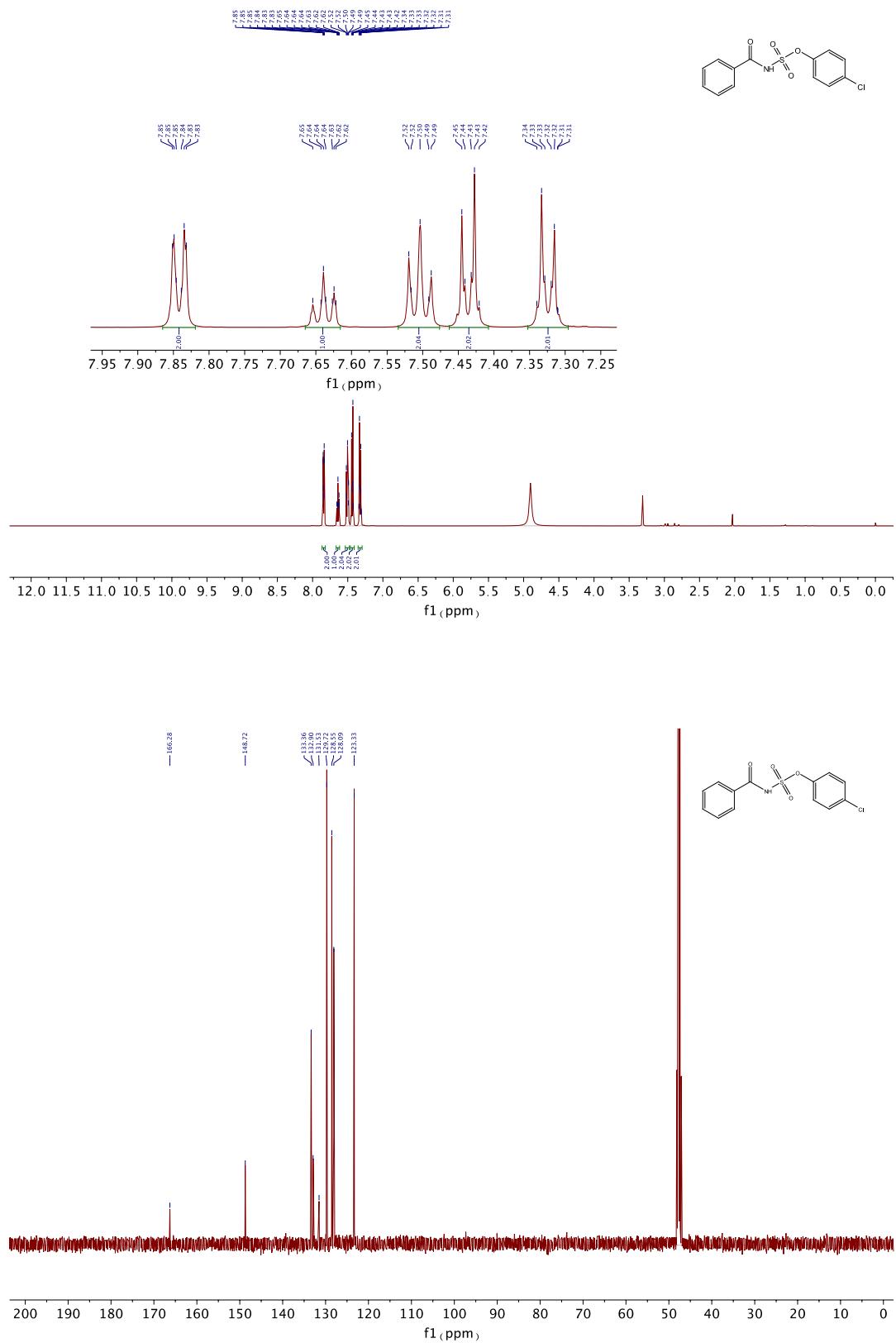
*p*-tolyl benzoylsulfamate (**3a2**)



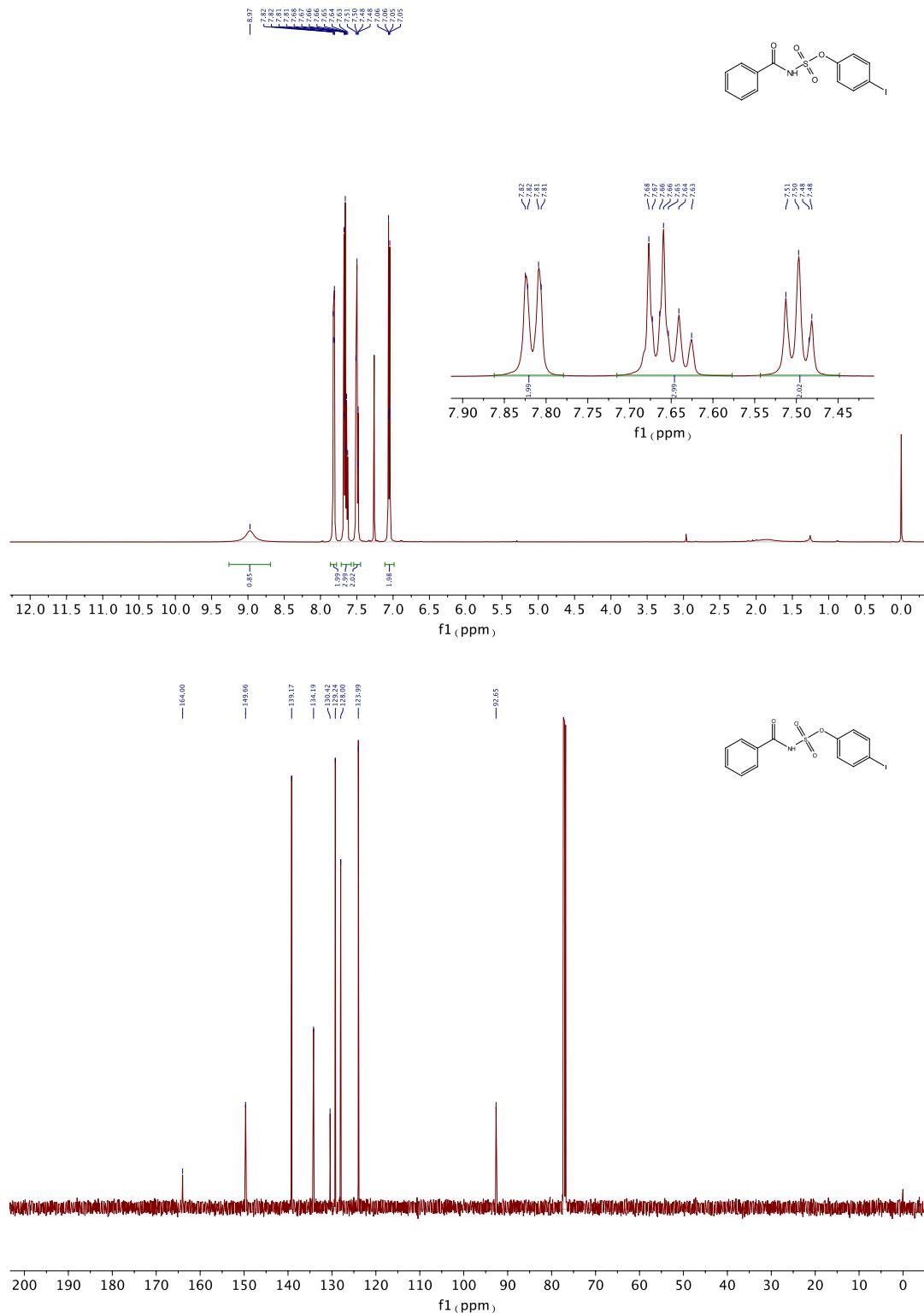
**4-methoxyphenyl benzoylsulfamate (3a3)**



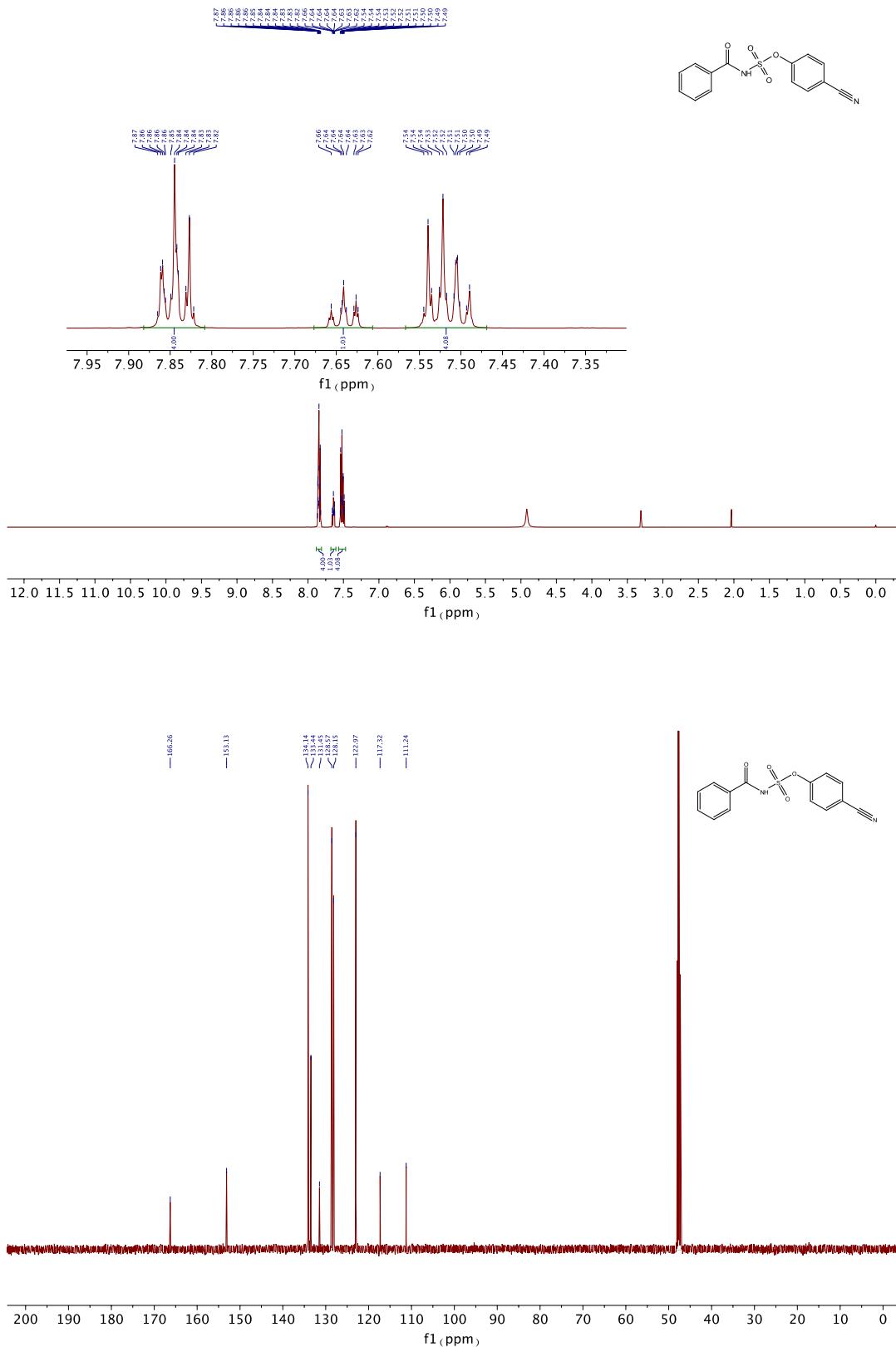
*4-chlorophenyl benzoylsulfamate (3a4)*



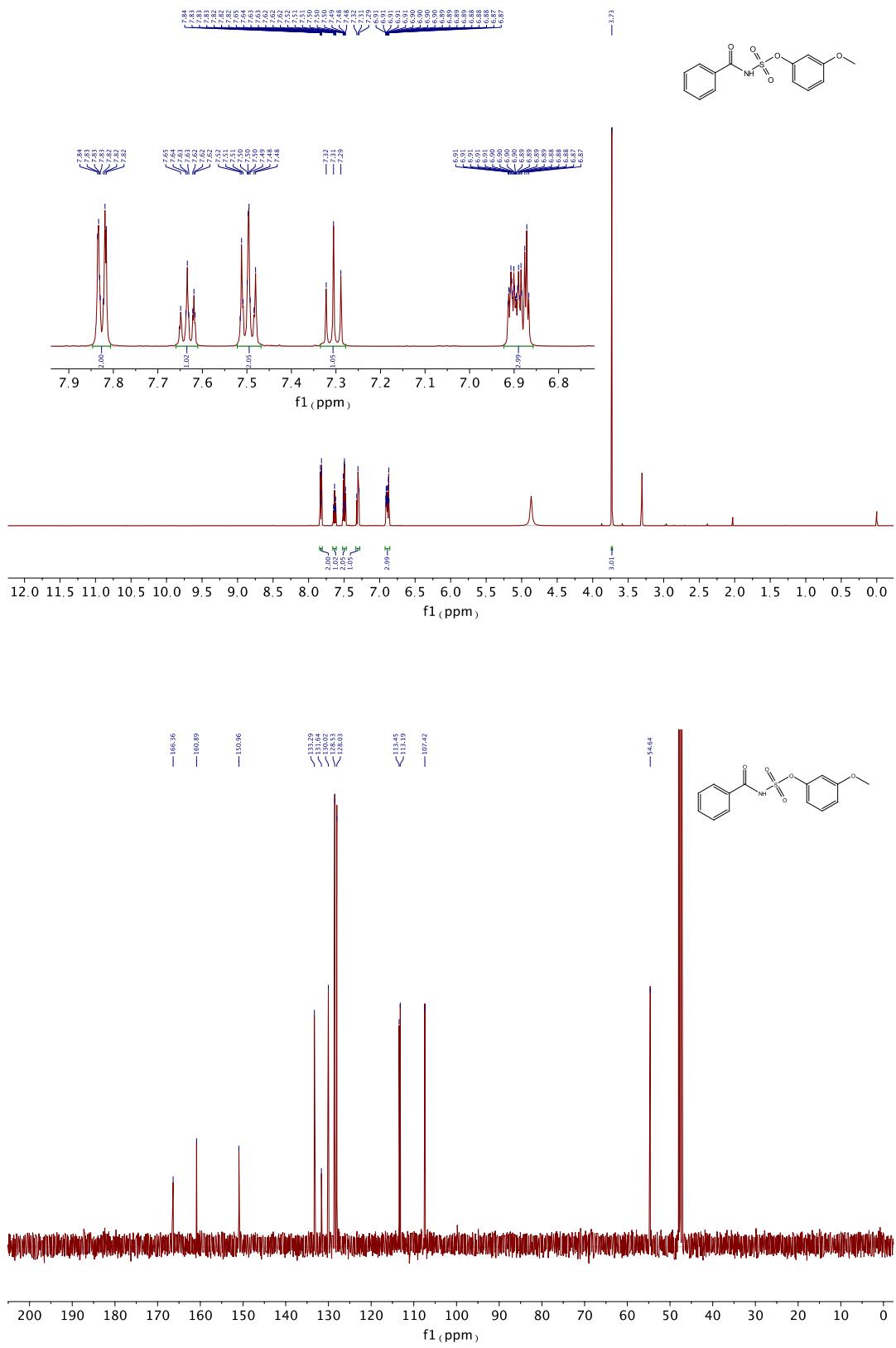
**4-iodophenyl benzoylsulfamate (3a5)**



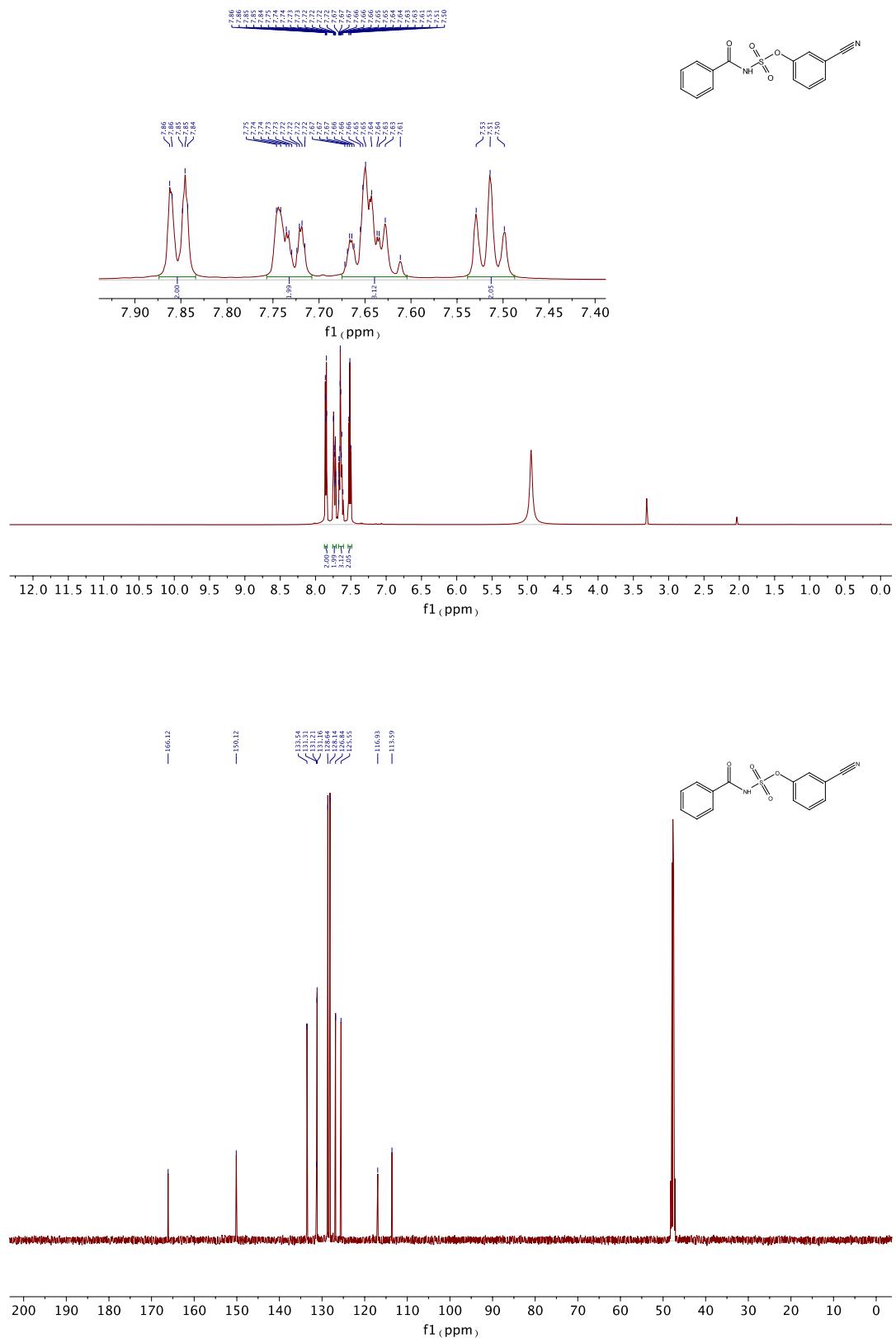
*4-cyanophenyl benzoylsulfamate (3a6)*



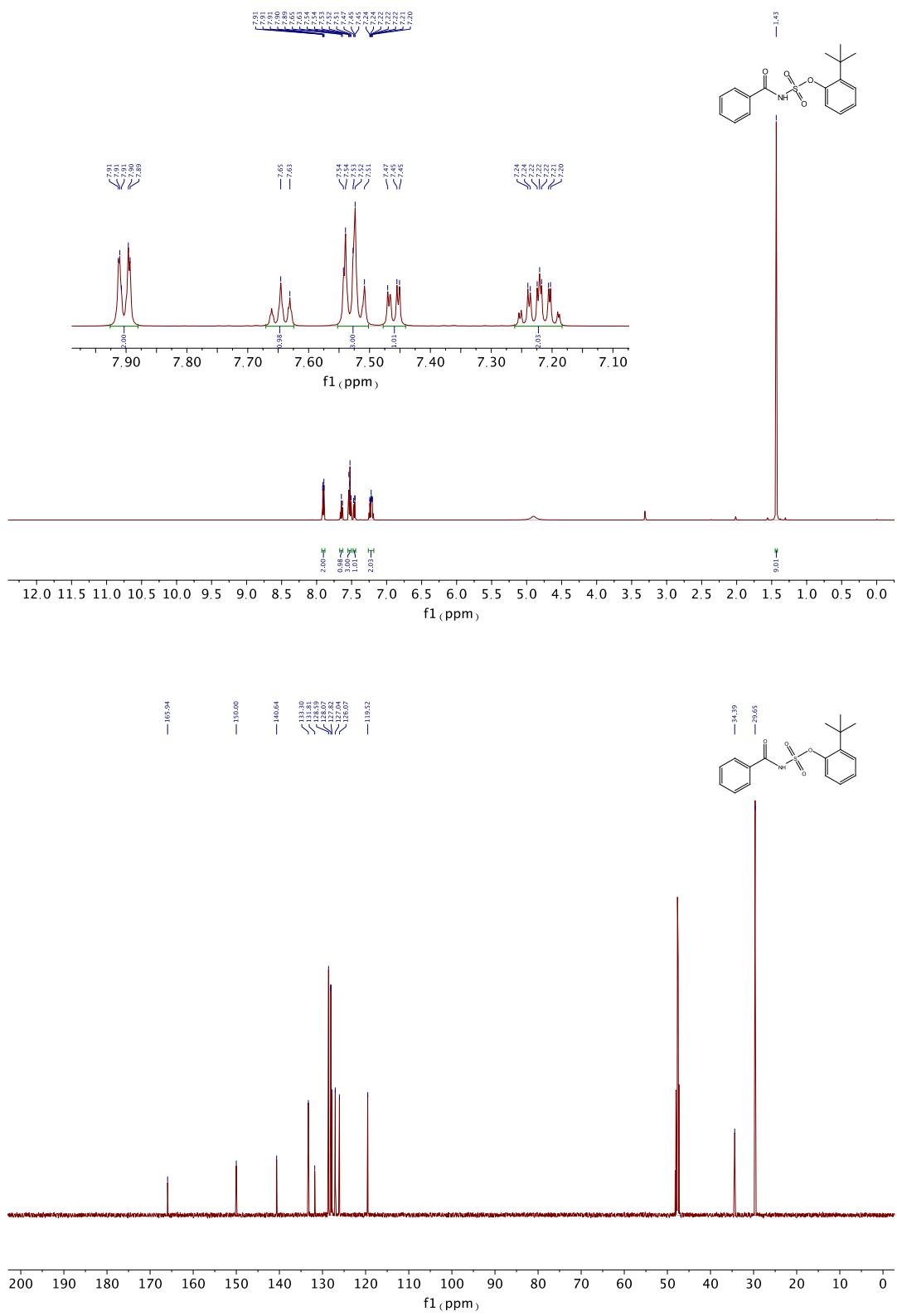
*3-methoxyphenyl benzoylsulfamate (3b1)*



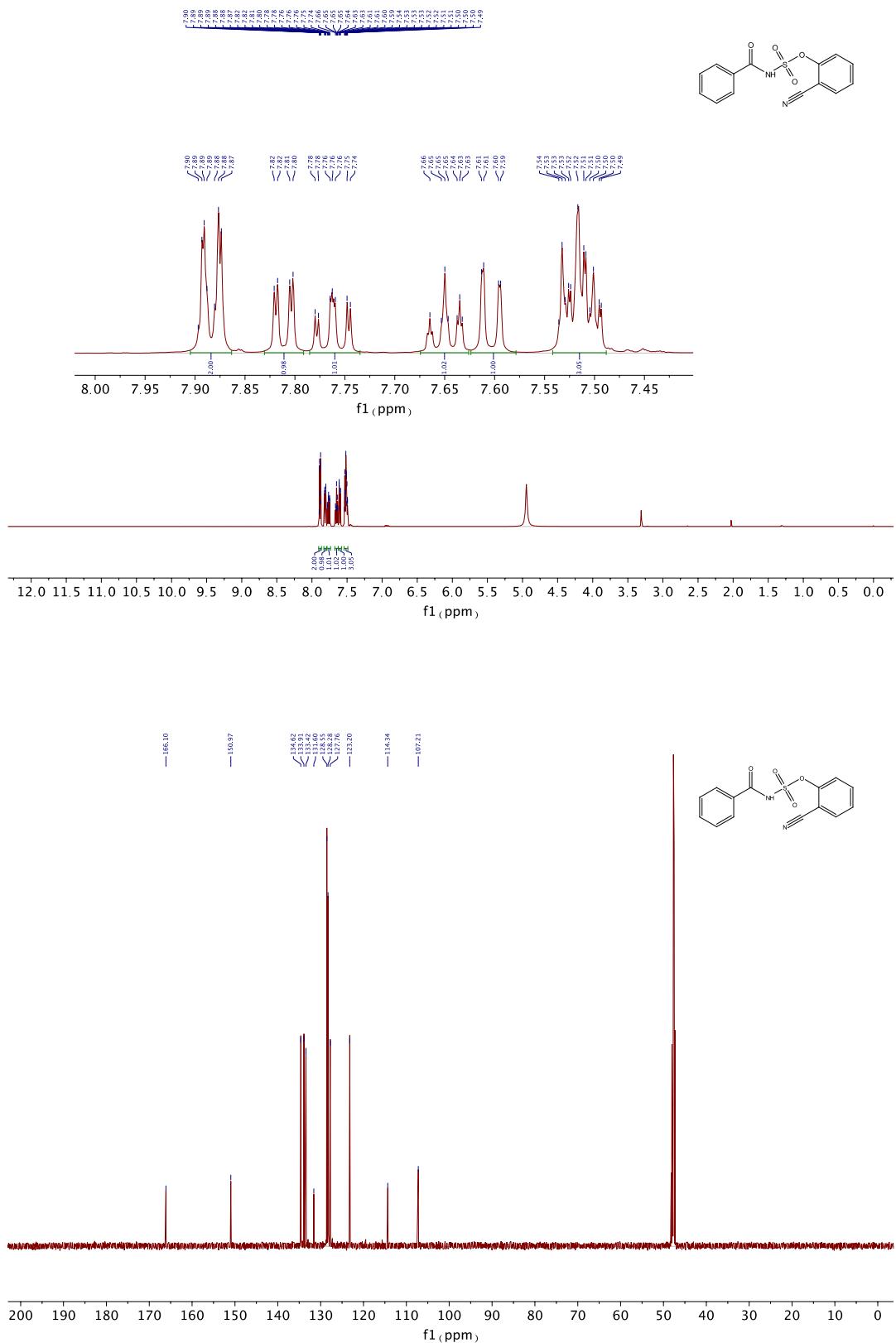
*3-cyanophenyl benzoylsulfamate (3b2)*



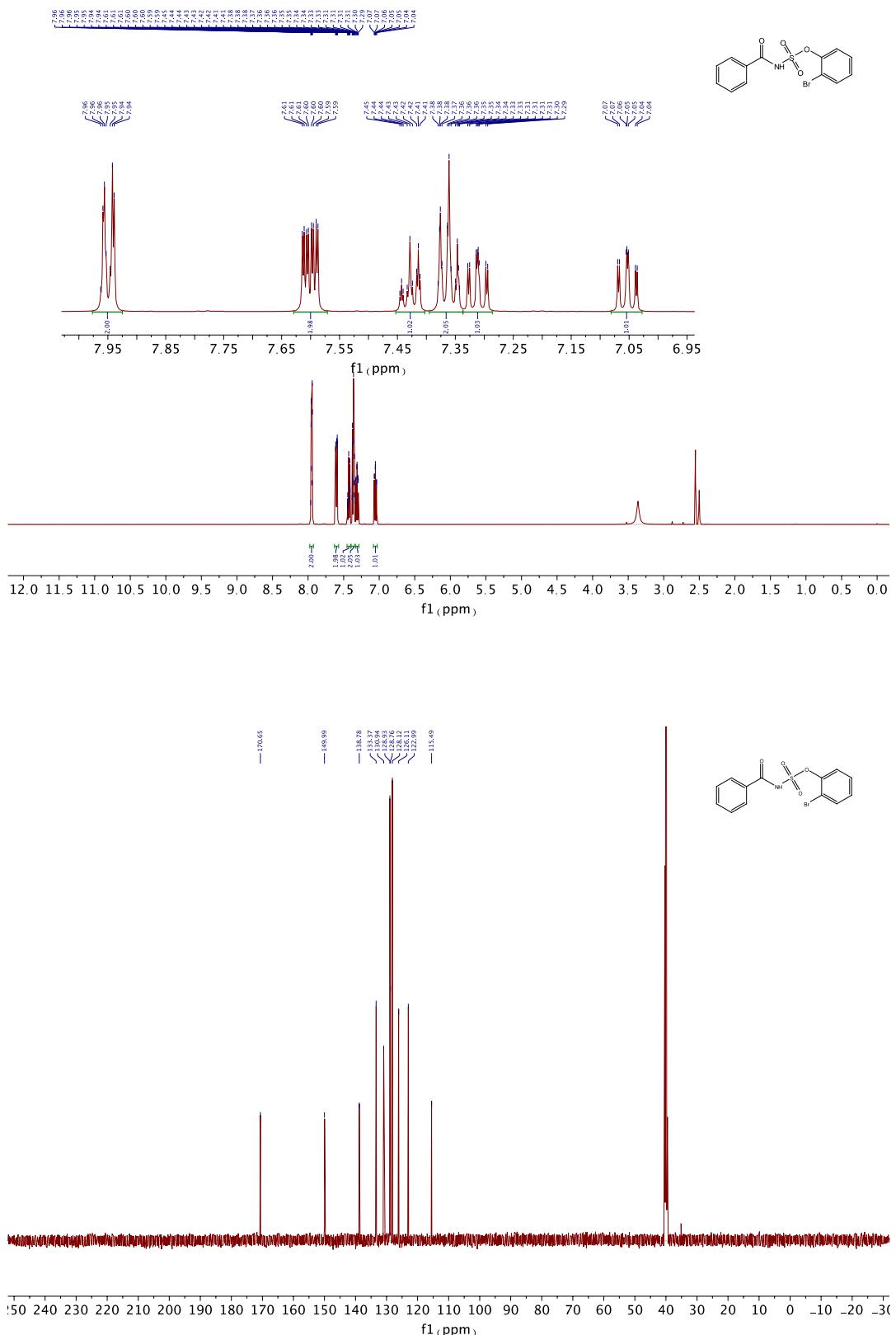
*2-(tert-butyl)phenyl benzoylsulfamate (3c1)*



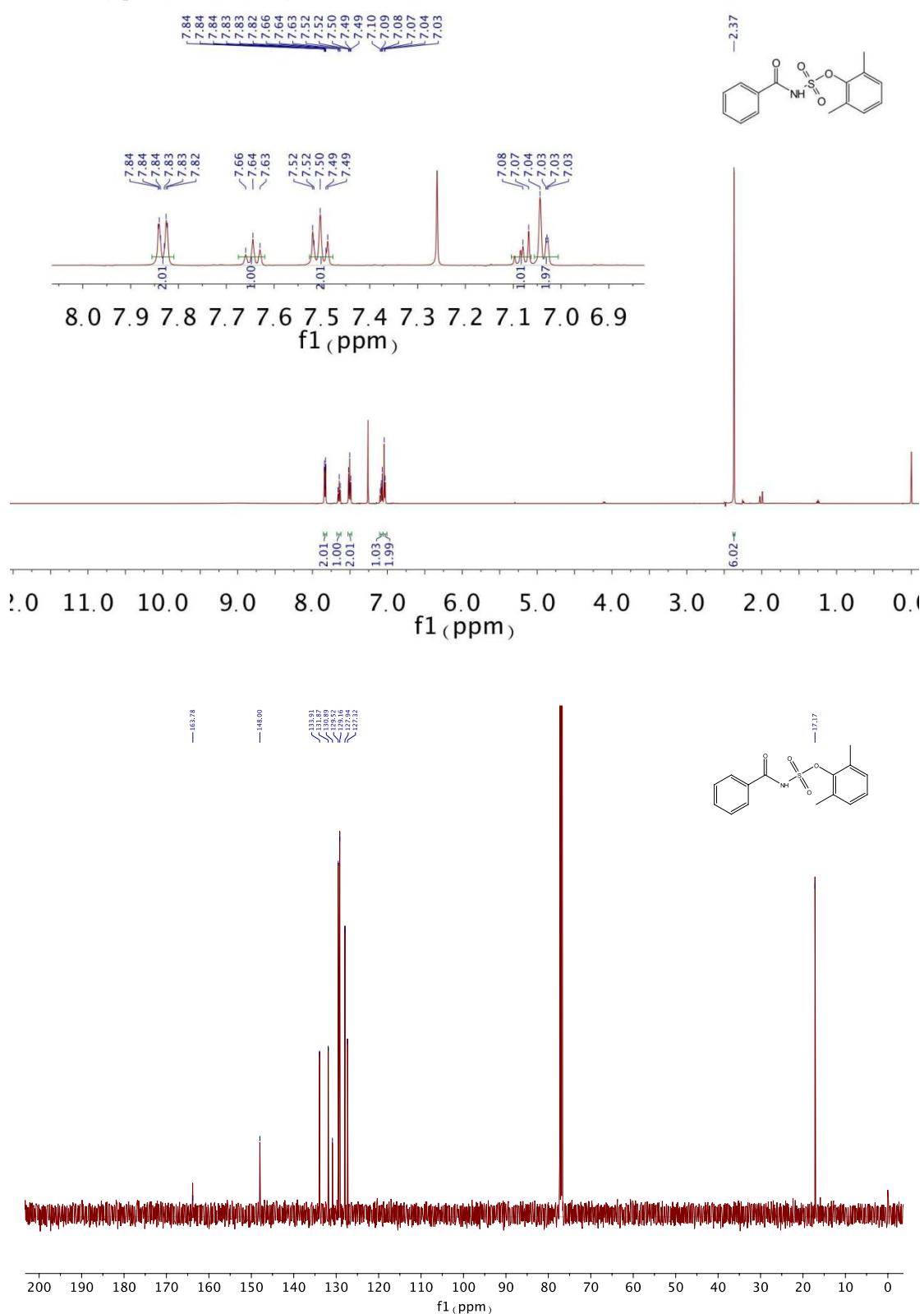
*2-cyanophenyl benzoylsulfamate (3c2)*



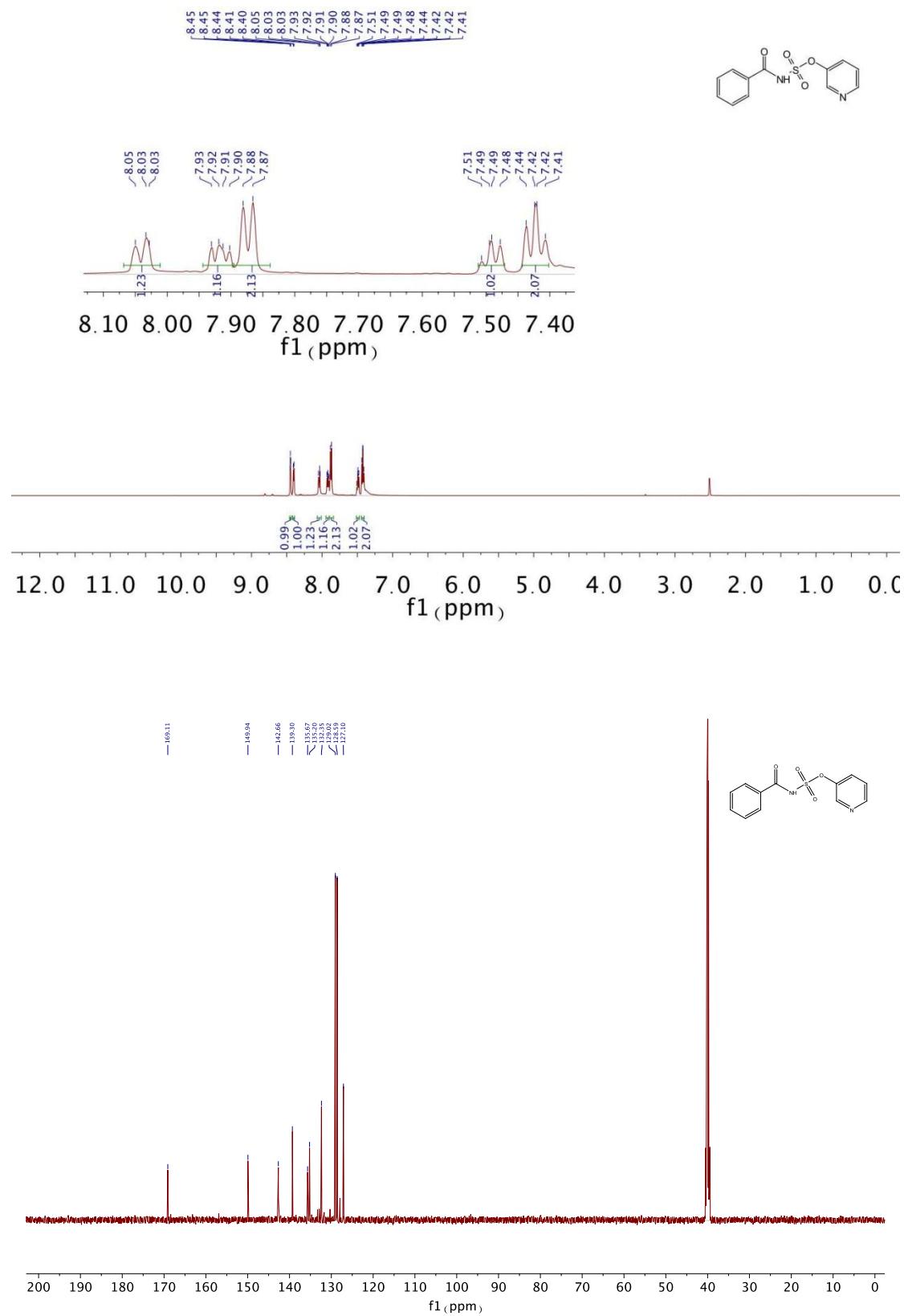
*2-bromophenyl benzoylsulfamate (3c3)*



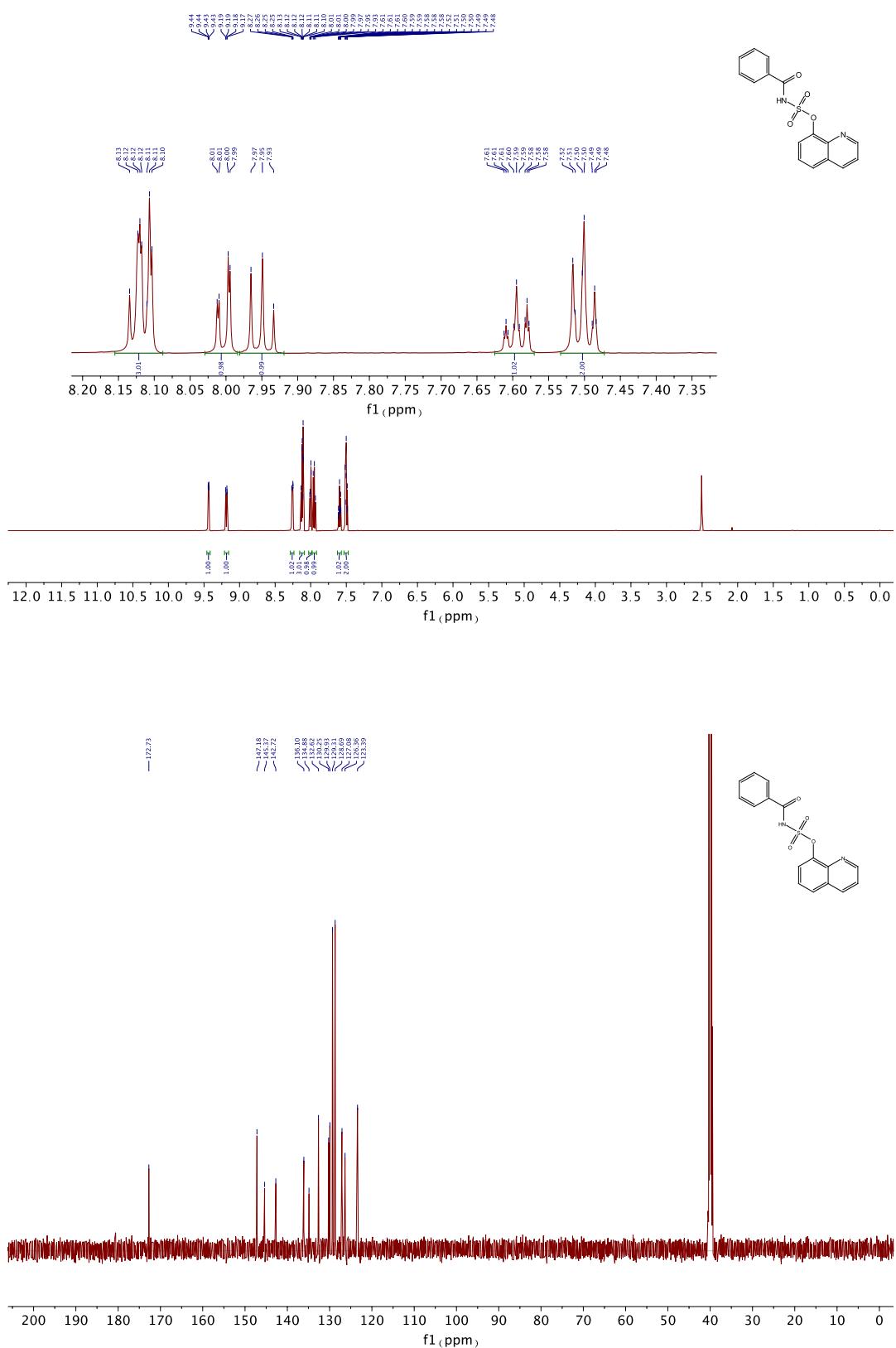
*2,6-dimethylphenyl benzoysulfamate (3d)*



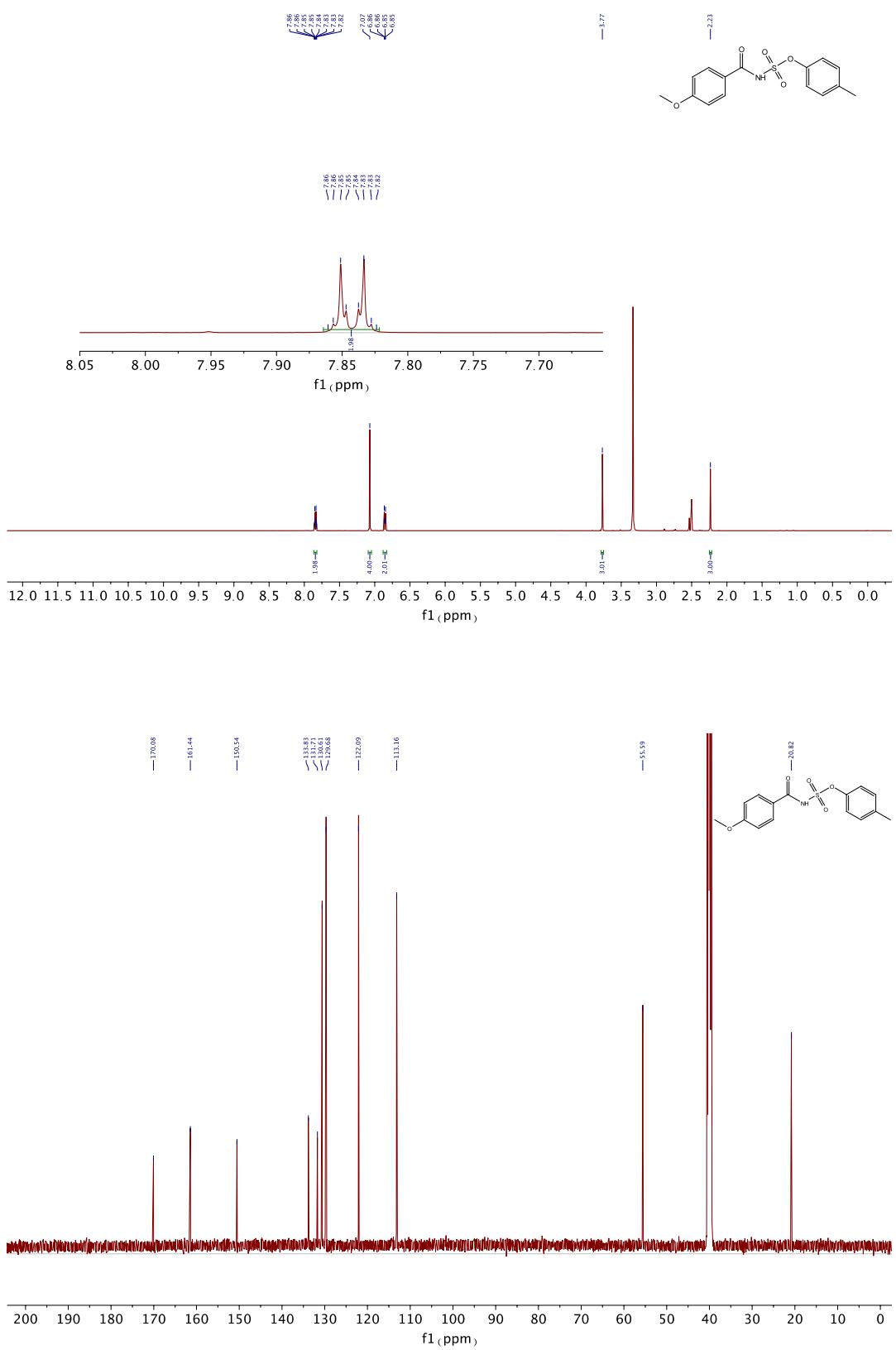
*pyridin-3-yl benzoylsulfamate (3e)*



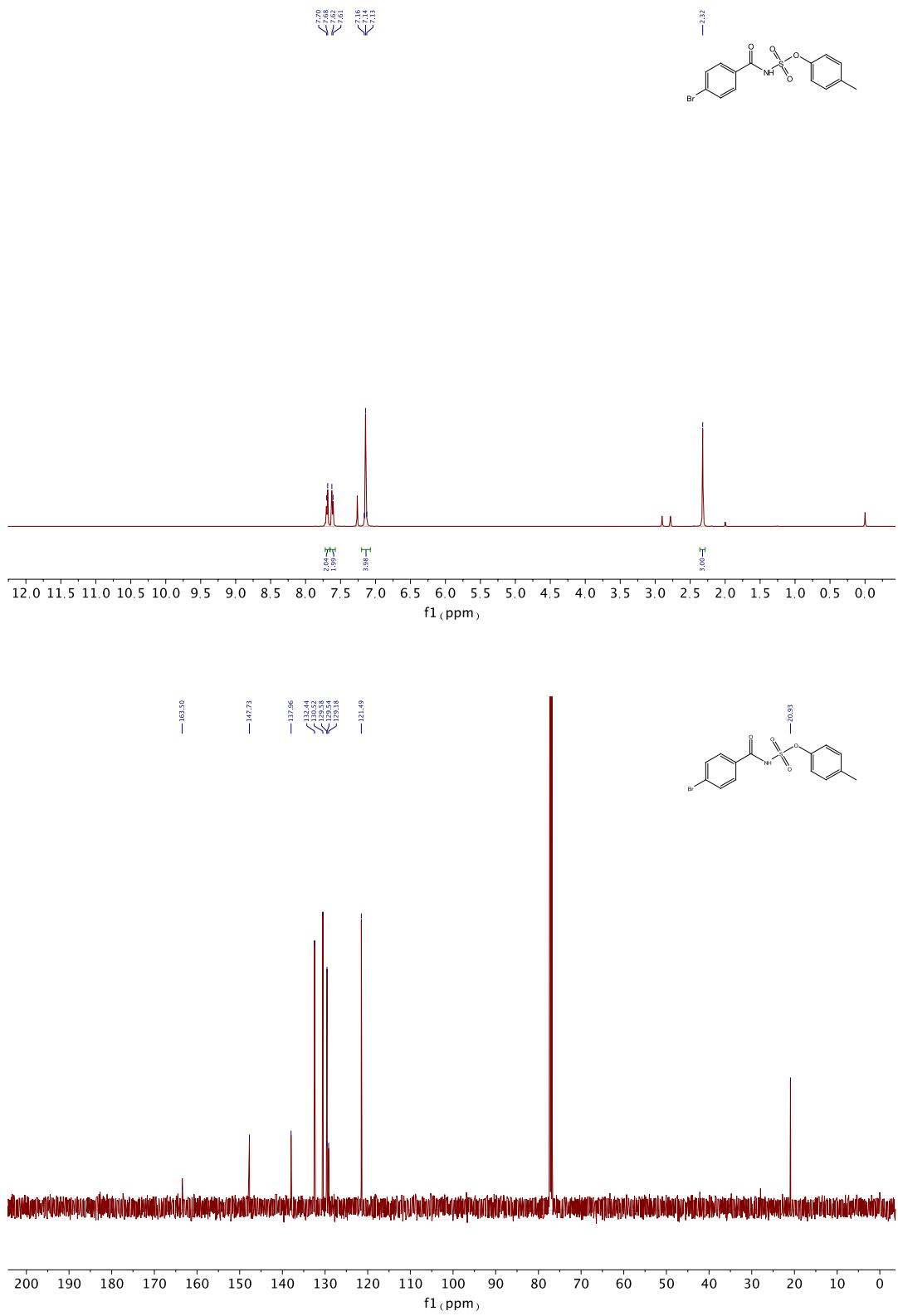
*quinolin-8-yl benzoylsulfamate (3f)*



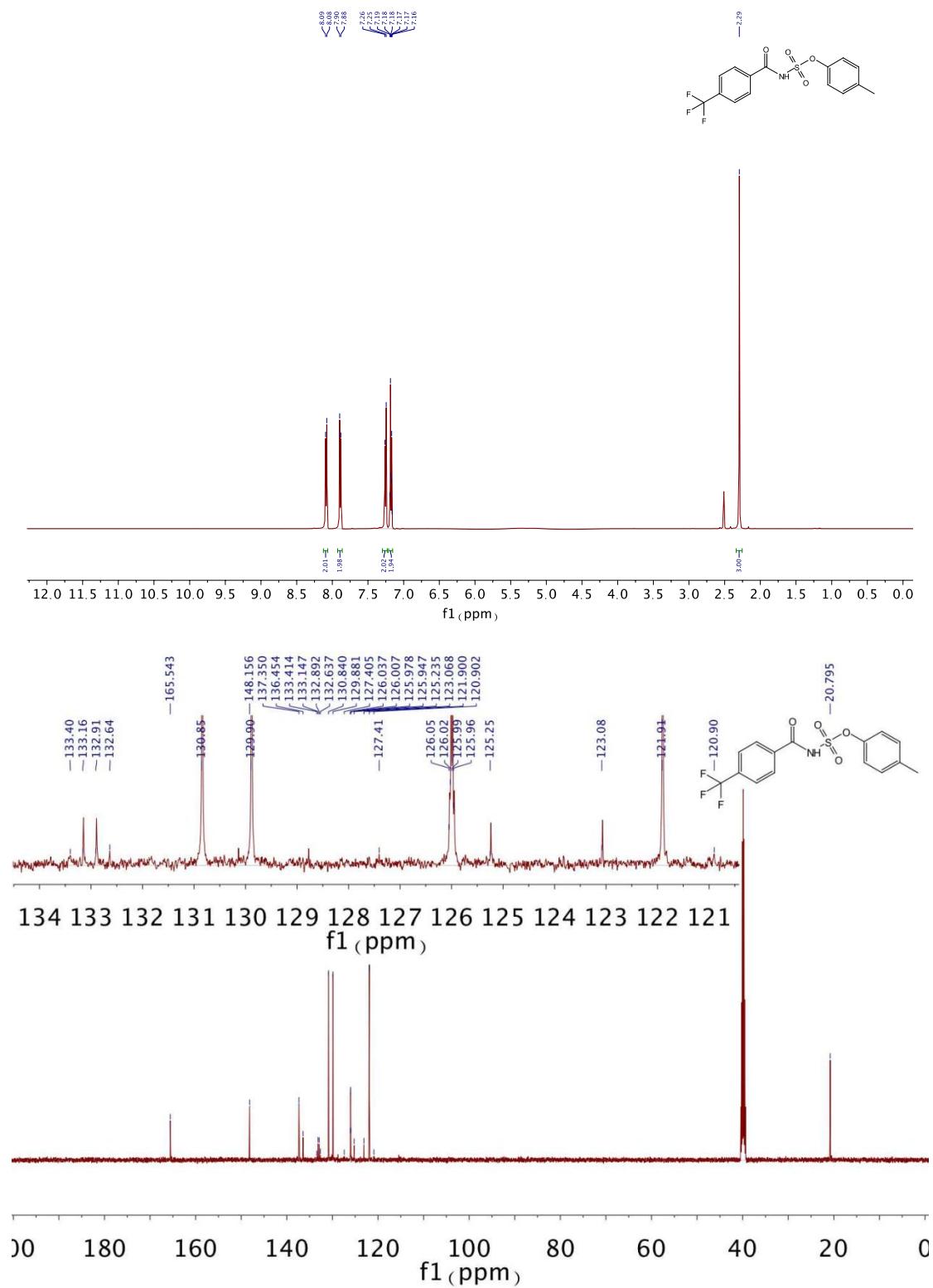
*p*-tolyl (4-methoxybenzoyl)sulfamate (**3g**)



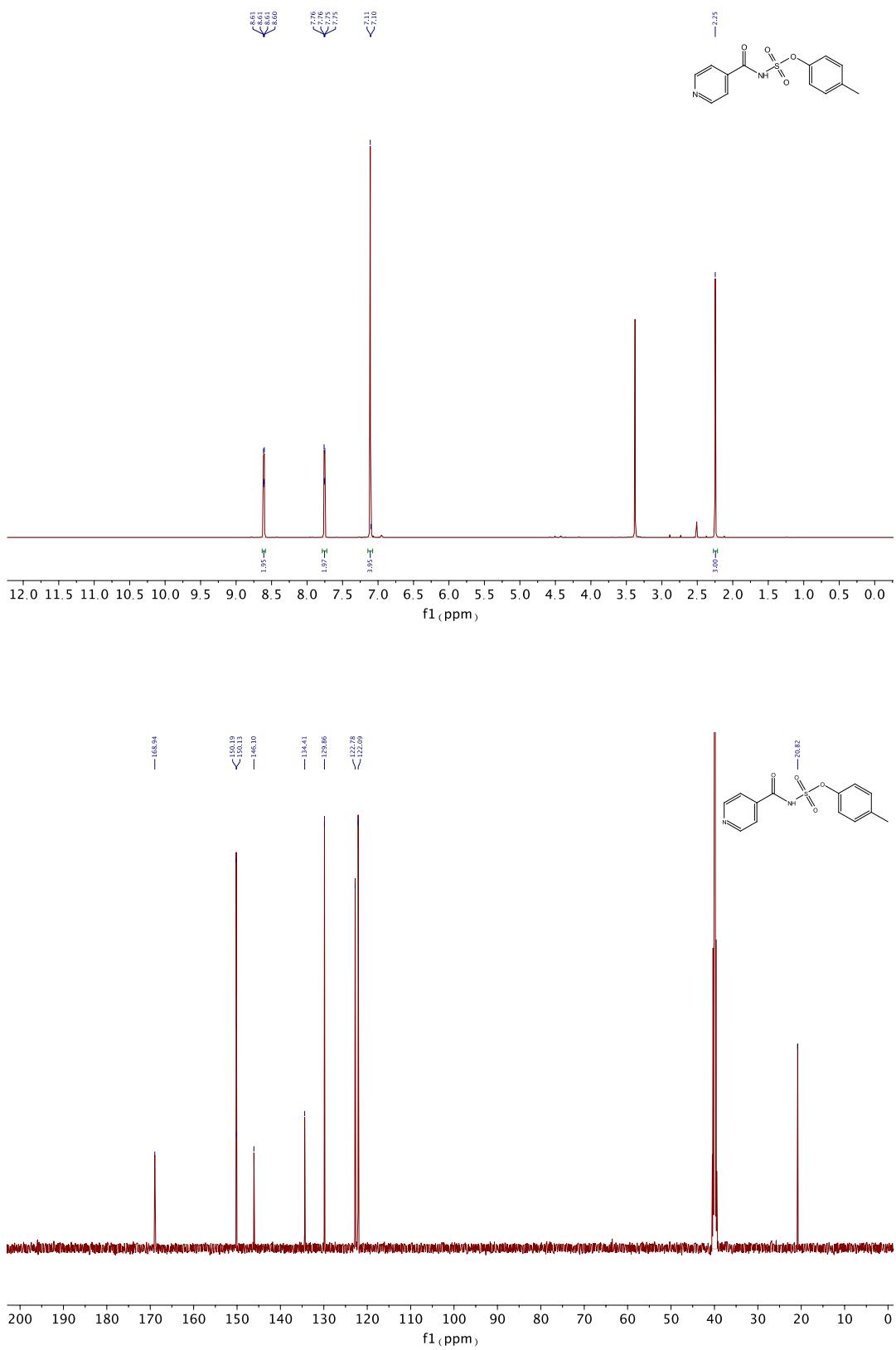
*p*-tolyl (4-bromobenzoyl)sulfamate (**3h**)



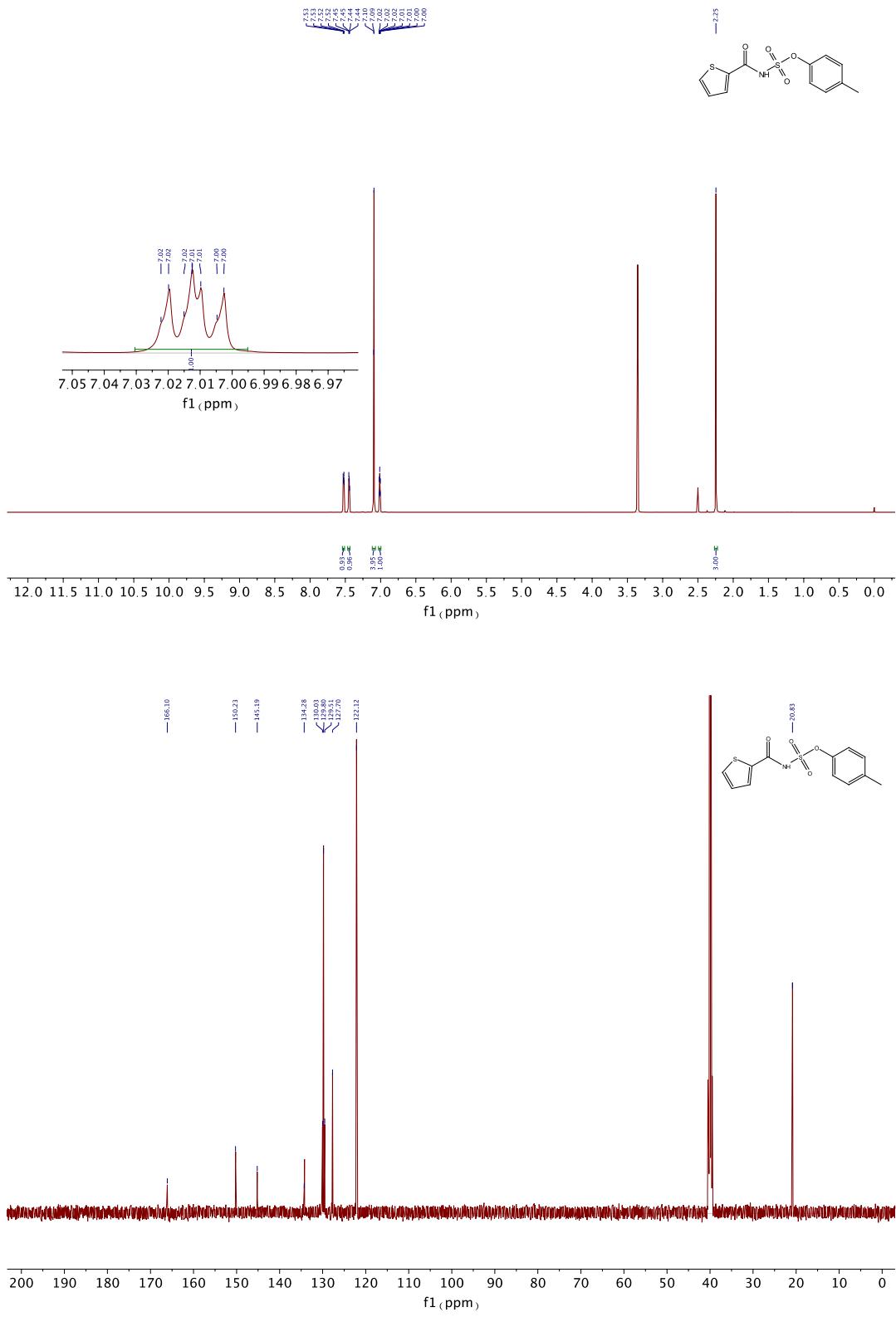
*p*-tolyl (4-(trifluoromethyl)benzoyl)sulfamate (**3i**)



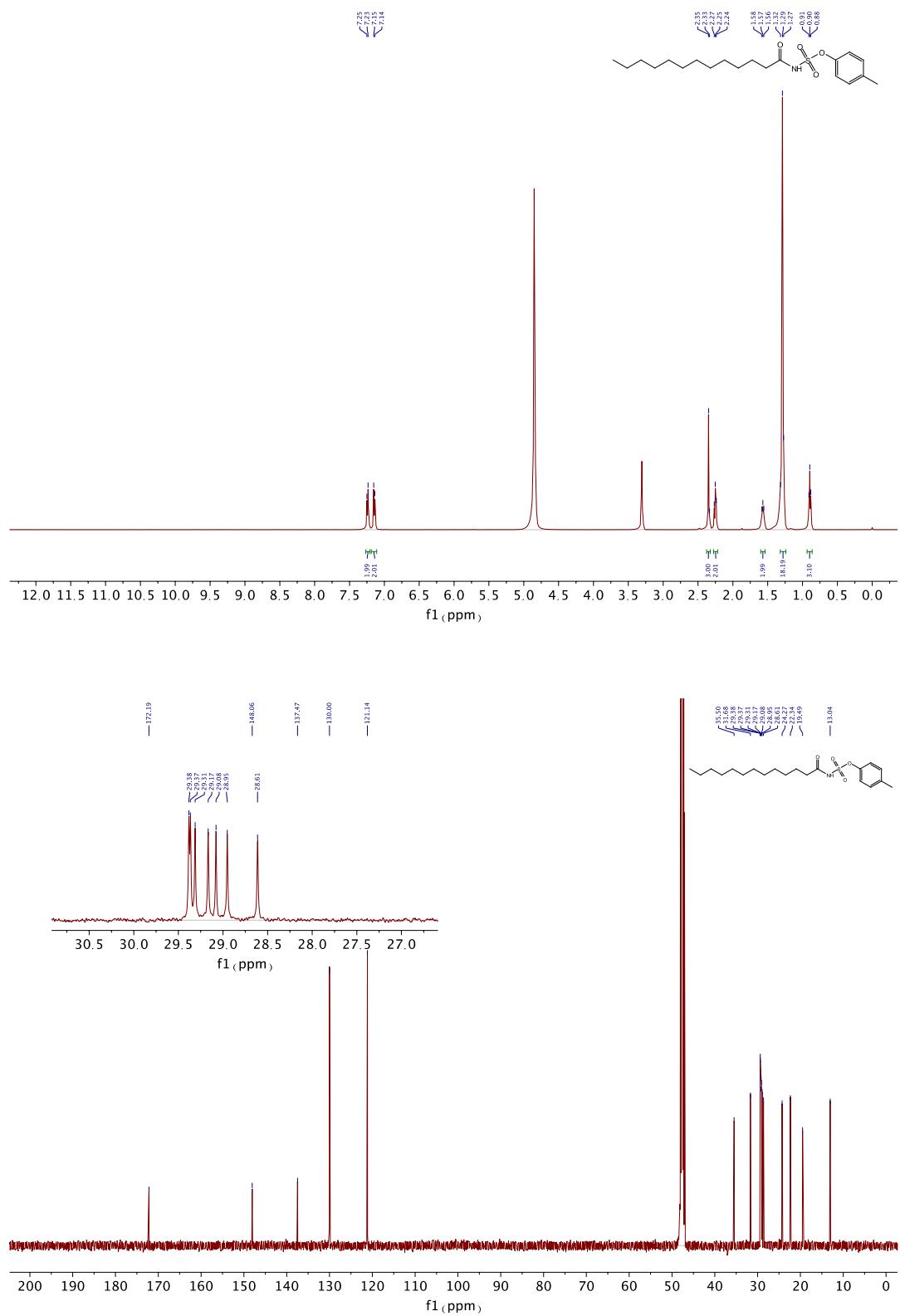
*p*-tolyl benzoylsulfamate (3j)



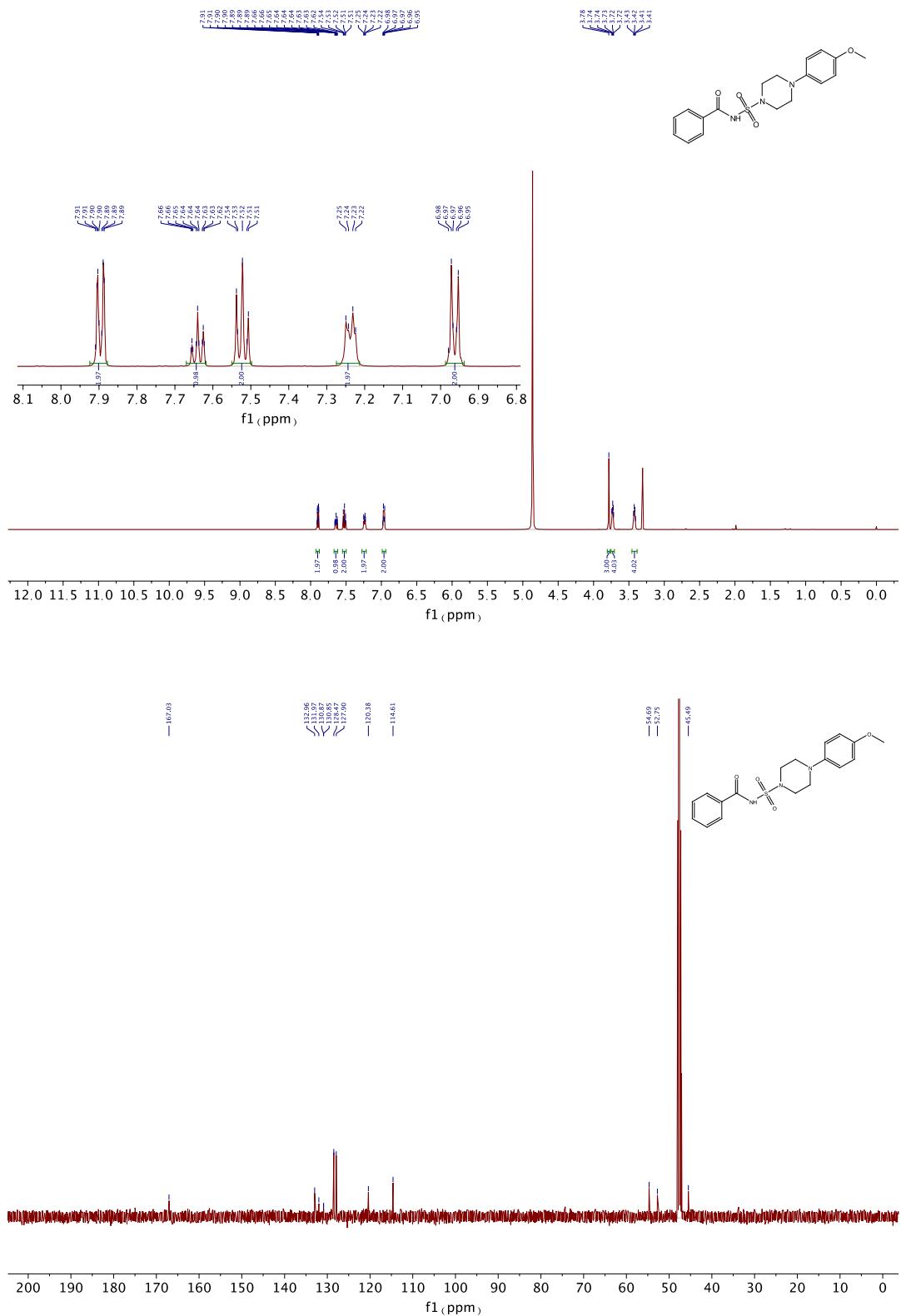
*p*-tolyl (thiophene-2-carbonyl)sulfamate (**3k**)



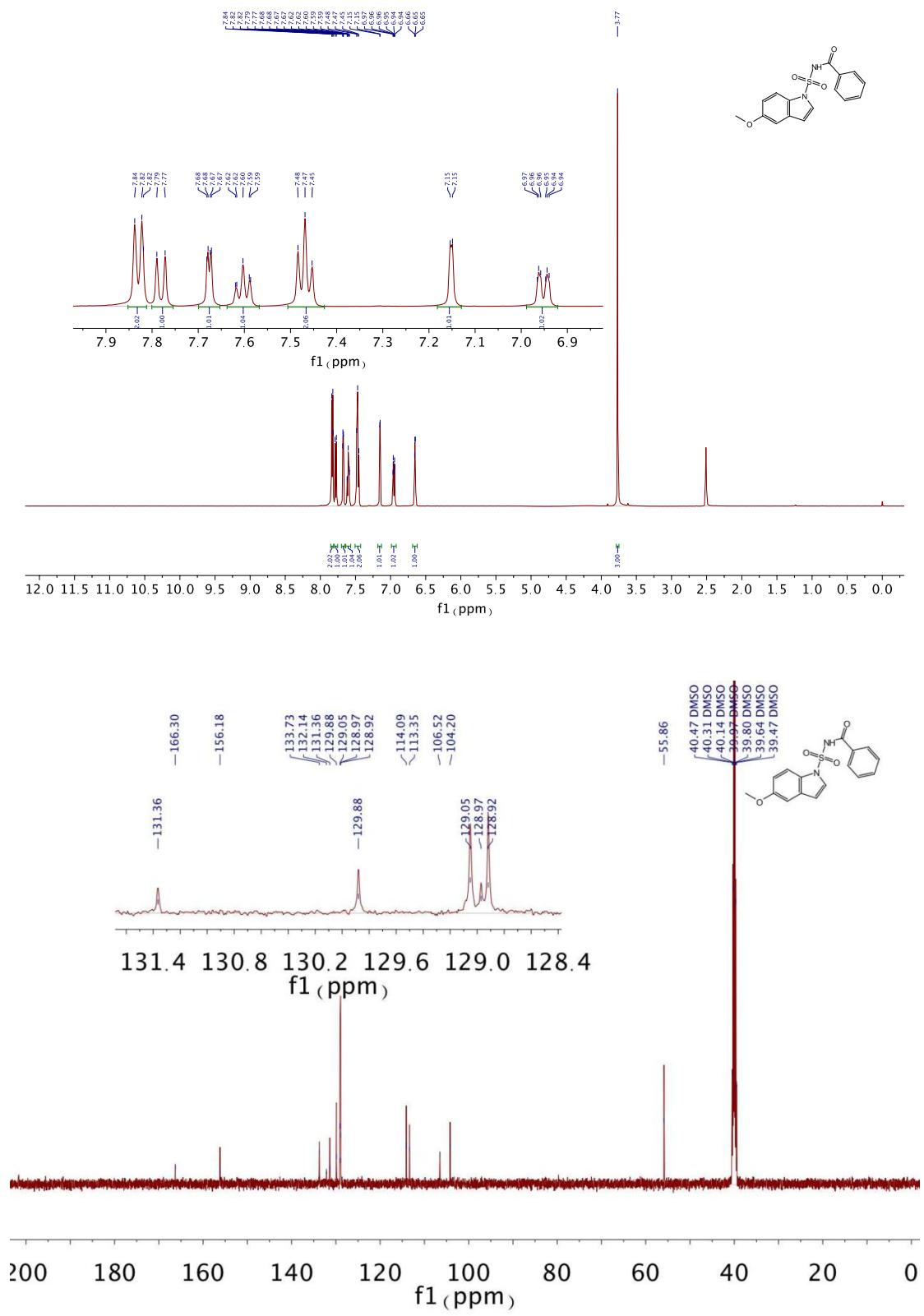
*p*-tolyl tridecanoysulfamate (**3l**)



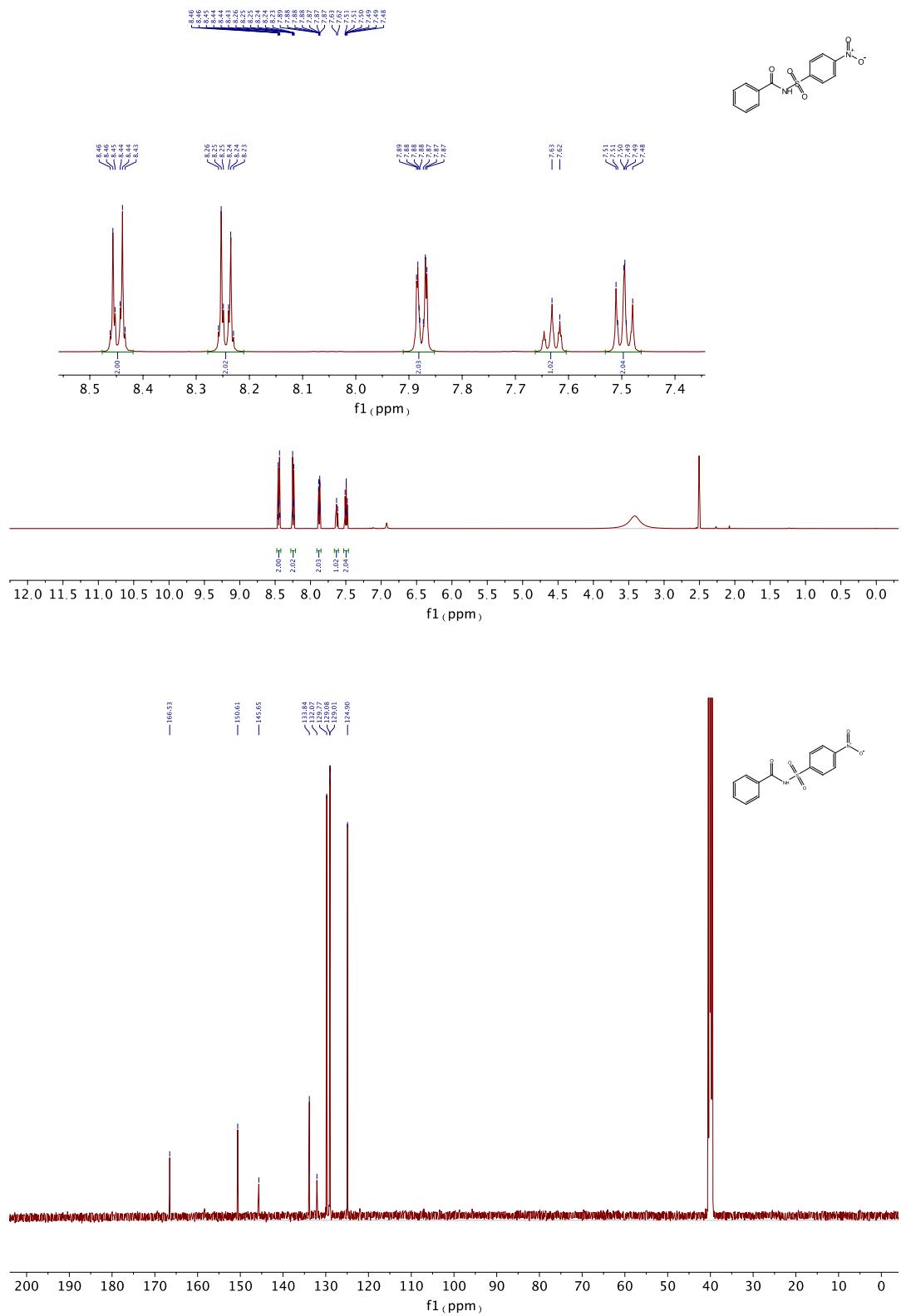
***N*-((4-(4-methoxyphenyl)piperazin-1-yl)sulfonyl)benzamide (**3m**)**



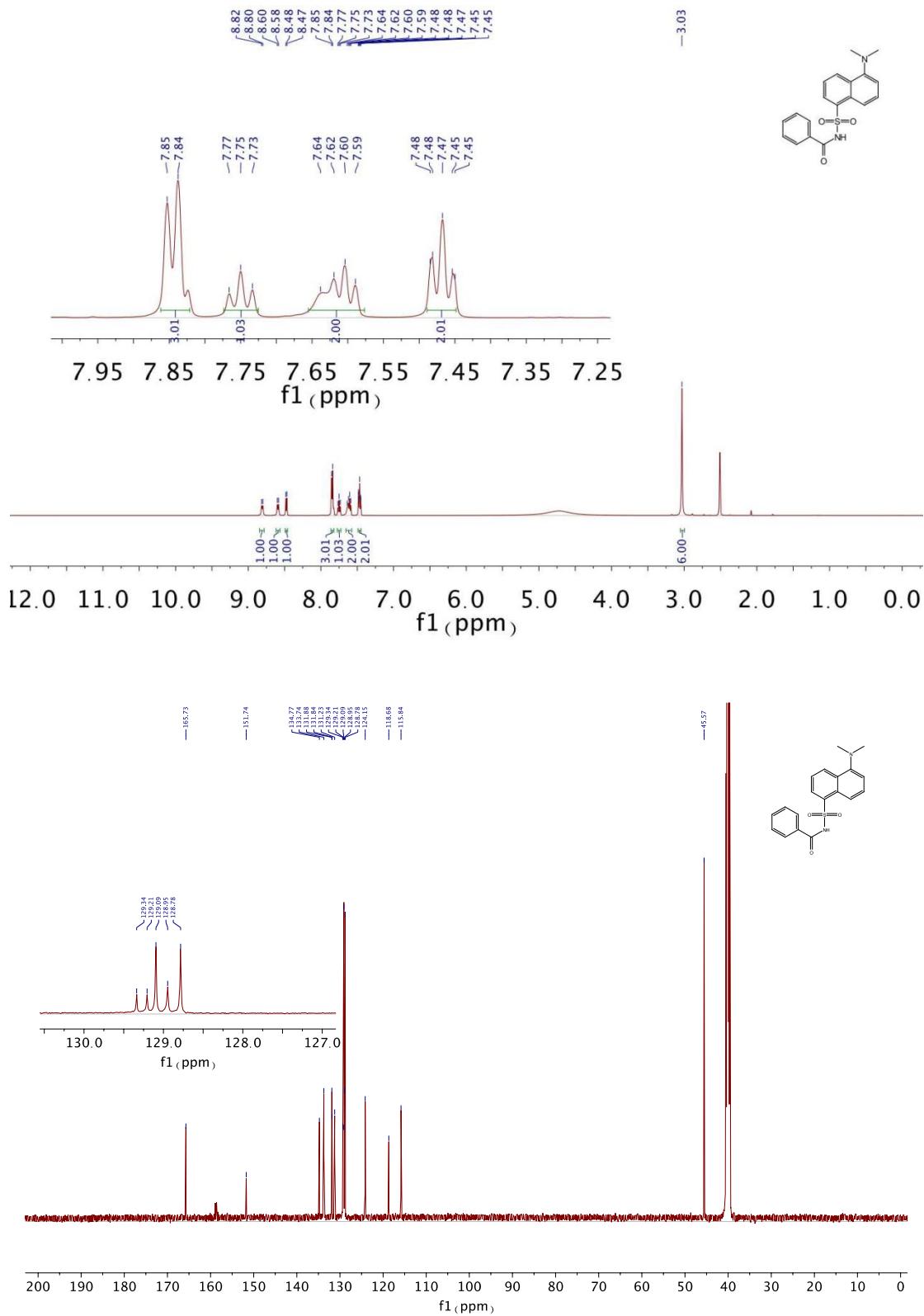
***N-((5-methoxy-1*H*-indol-1-yl)sulfonyl)benzamide (3n)***



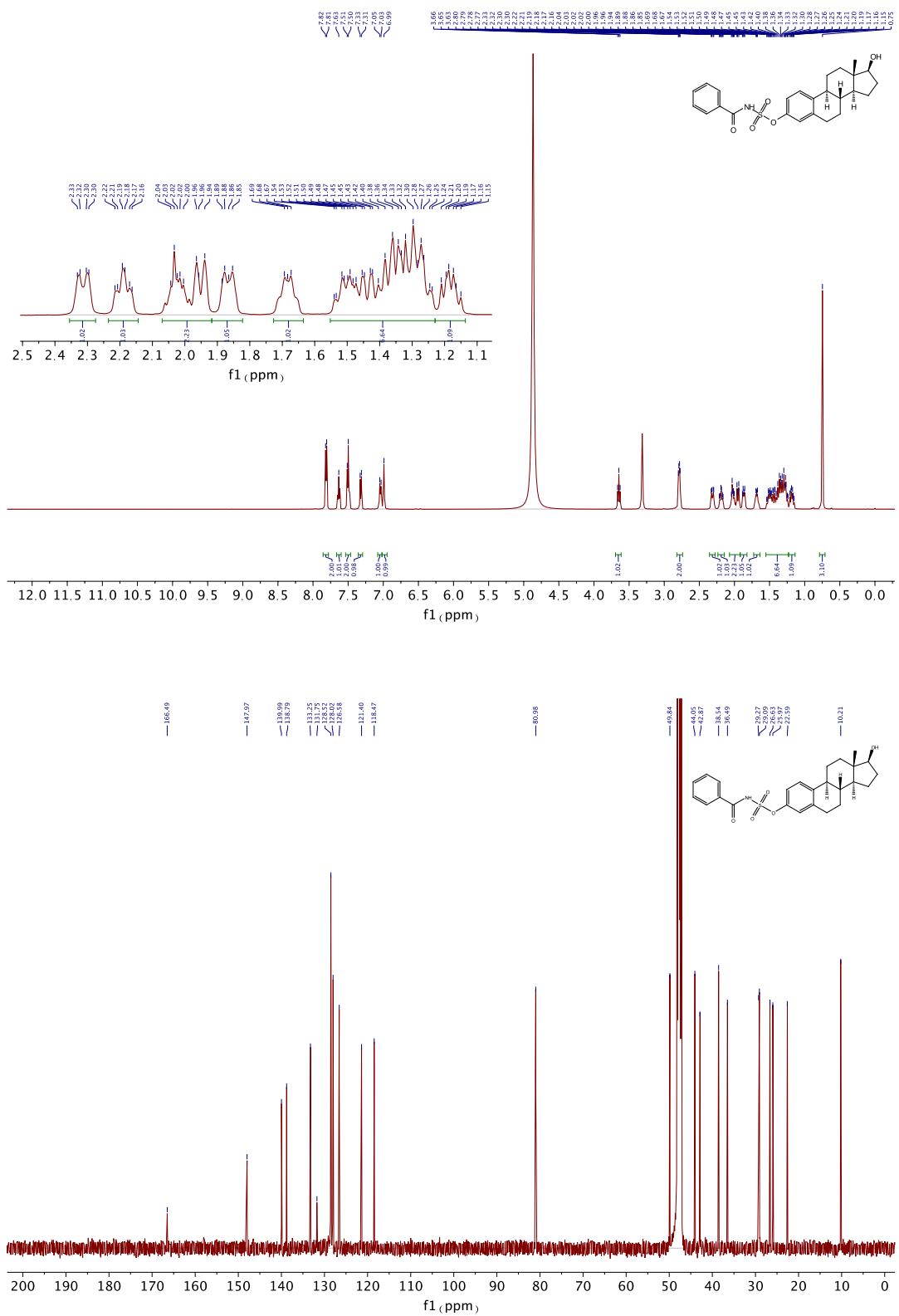
*N-((4-nitrophenyl)sulfonyl)benzamide (3o)*



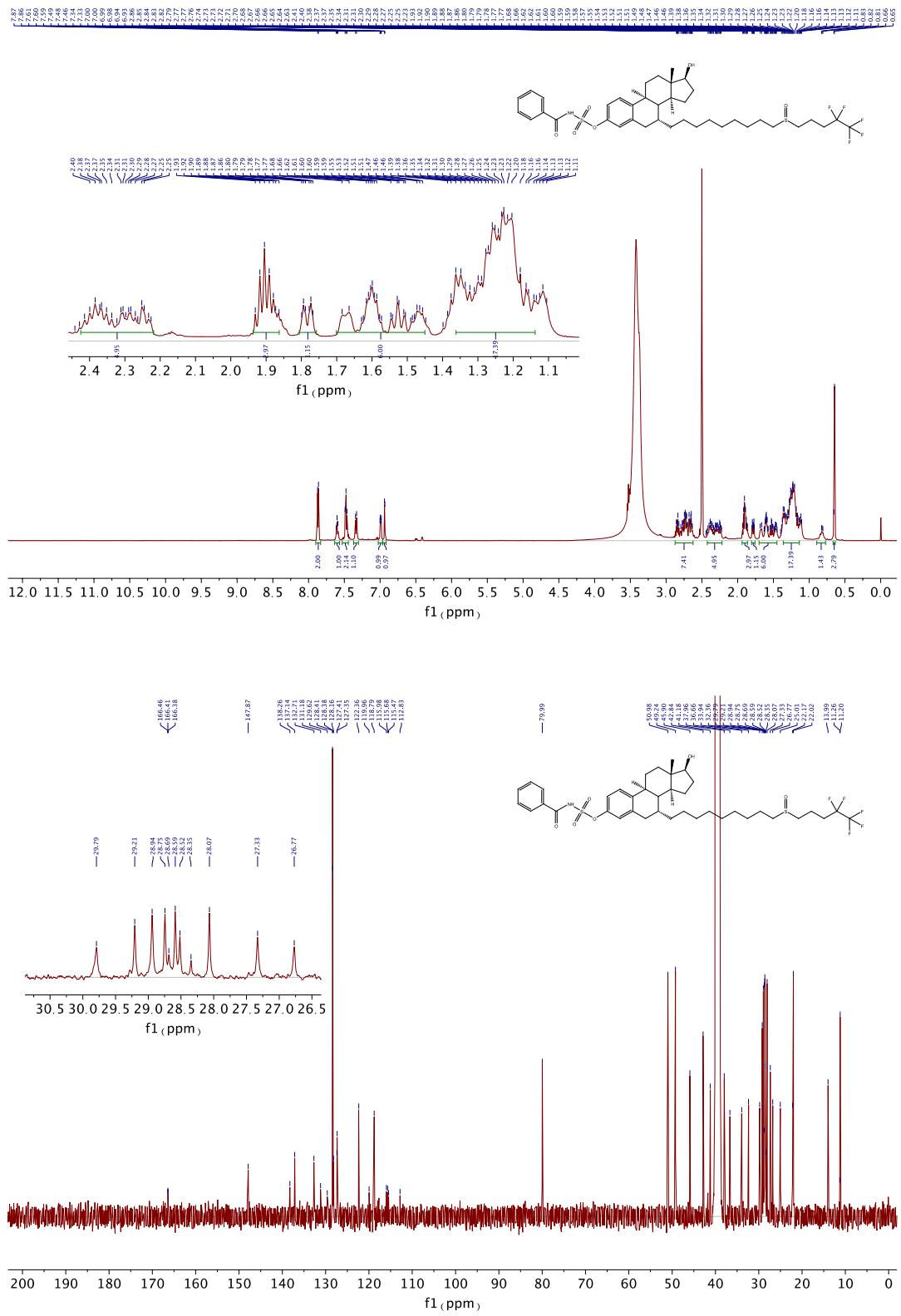
*N-((5-(dimethylamino)naphthalen-1-yl)sulfonyl)benzamide (3p)*



*(8R,9S,13S,14S,17S)-17-hydroxy-13-methyl-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthren-3-yl benzoylsulfamate (3q)*



**(7R,9S,13S,14S,17S)-17-hydroxy-13-methyl-7-(9-((4,4,5,5-pentafluoropentyl)sulfinyl)nonyl)-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthren-3-yl benzoylsulfamate (3r)**



**4-(((3*R*,4*R*)-4-(3,4-dimethoxybenzyl)-2-oxotetrahydrofuran-3-yl)methyl)-2-methoxyphenyl benzoyletsulfamate (3s)**

