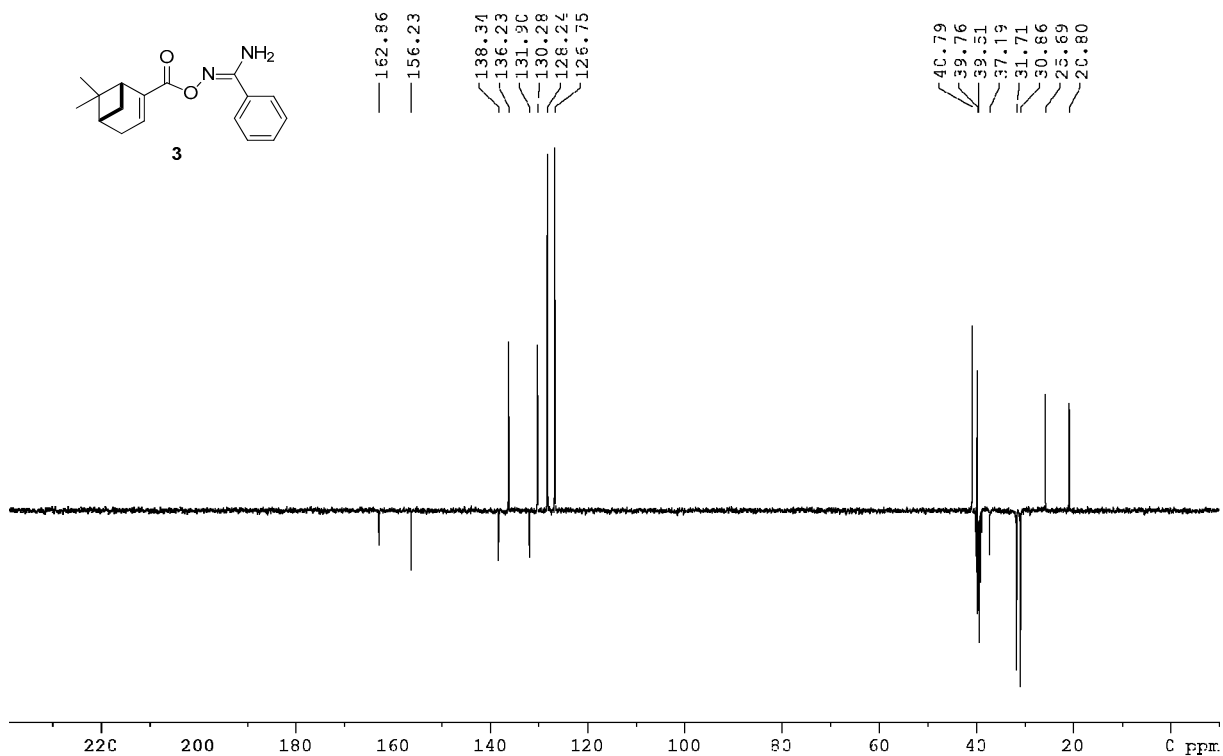
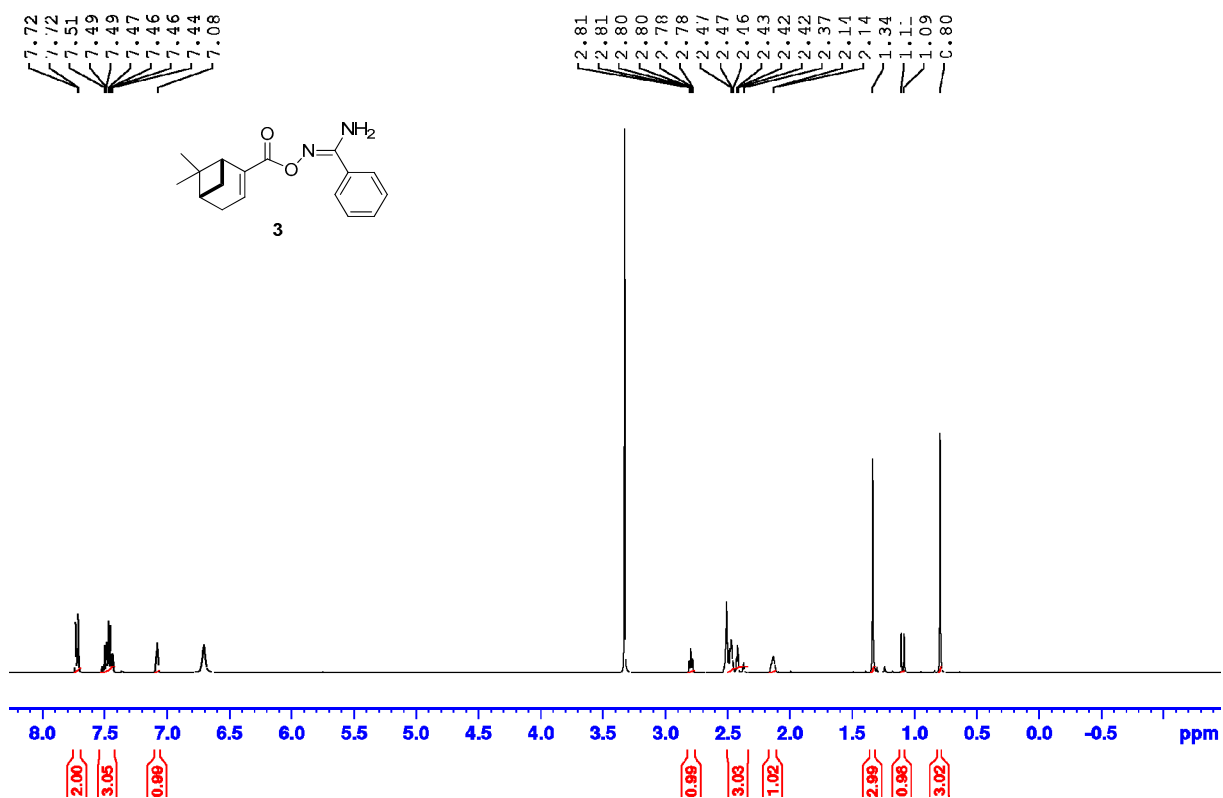


Supplementary materials: Stereoselective synthesis, synthetic and pharmacological application of monoterpene-based 1,2,4- and 1,3,4-oxadiazols

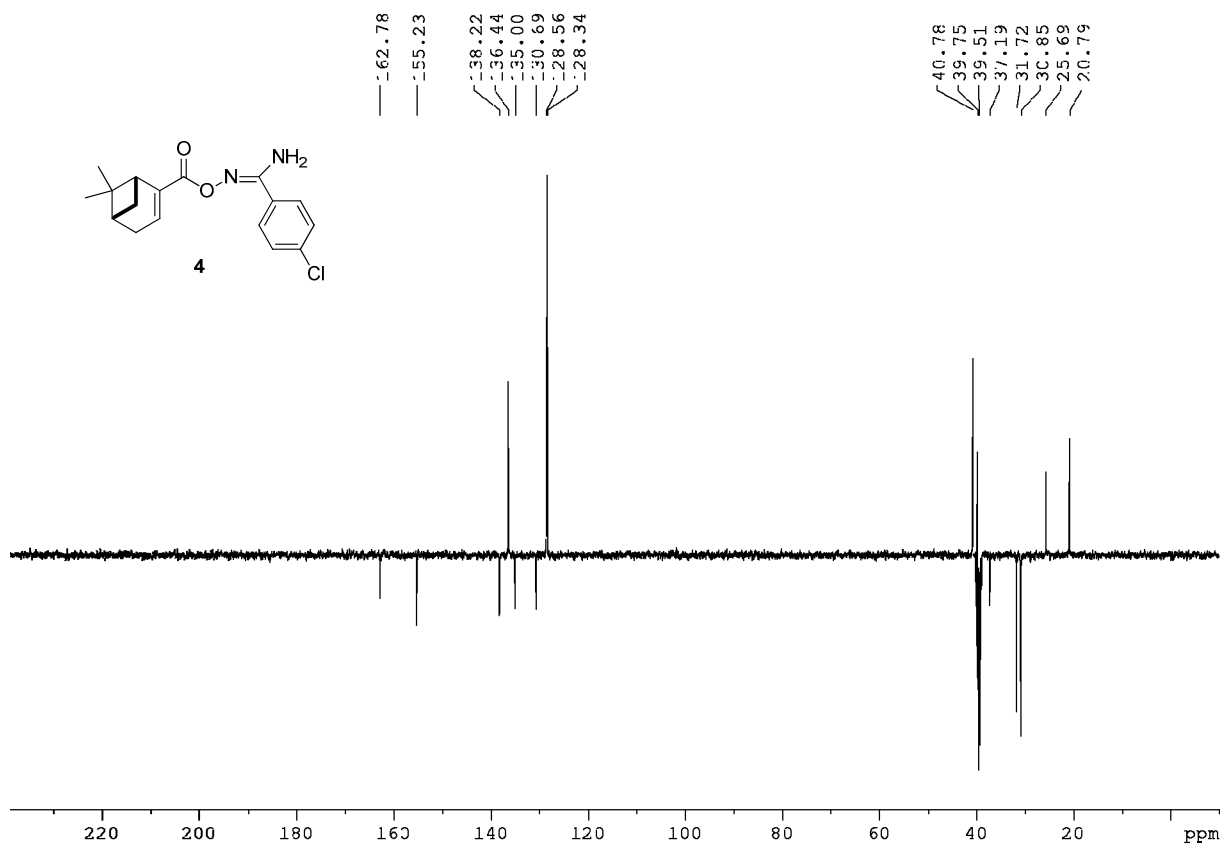
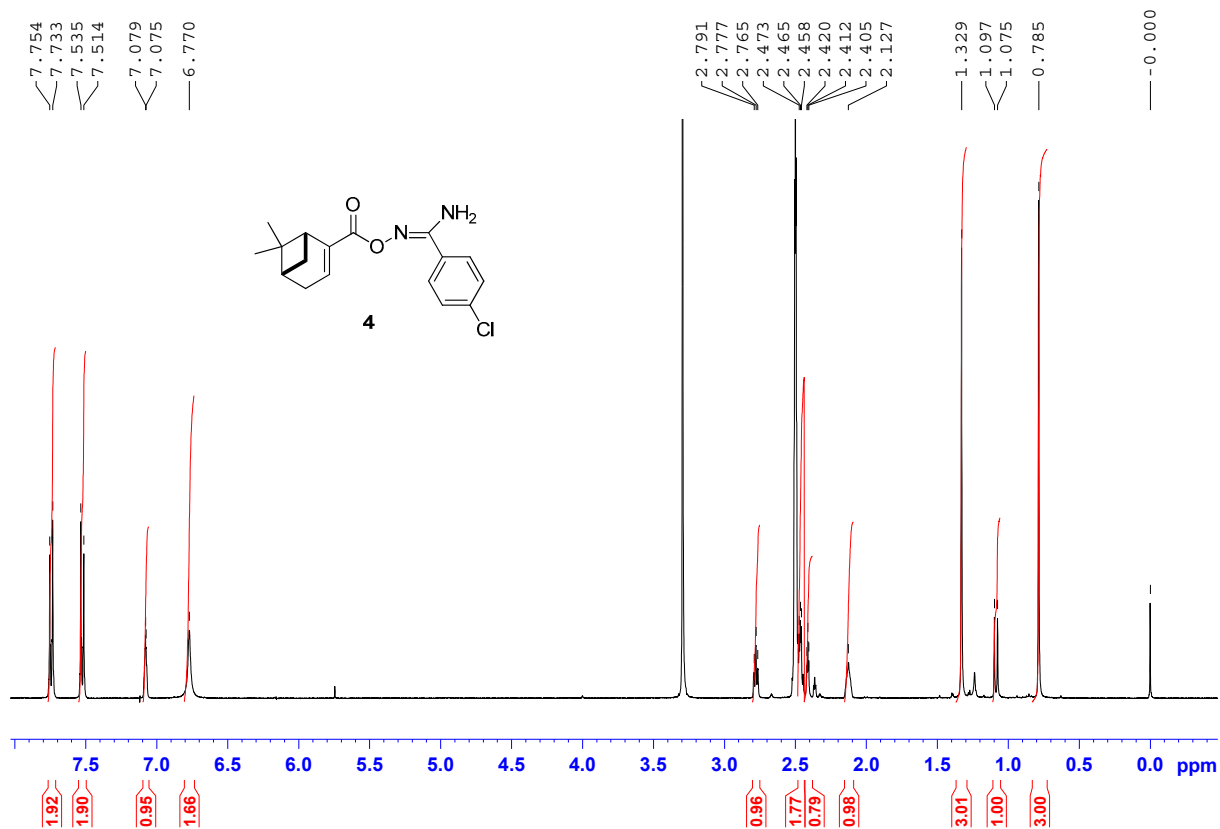
Tímea Gonda, Péter Bérdi, István Zupkó, Ferenc Fülöp and Zsolt Szakonyi

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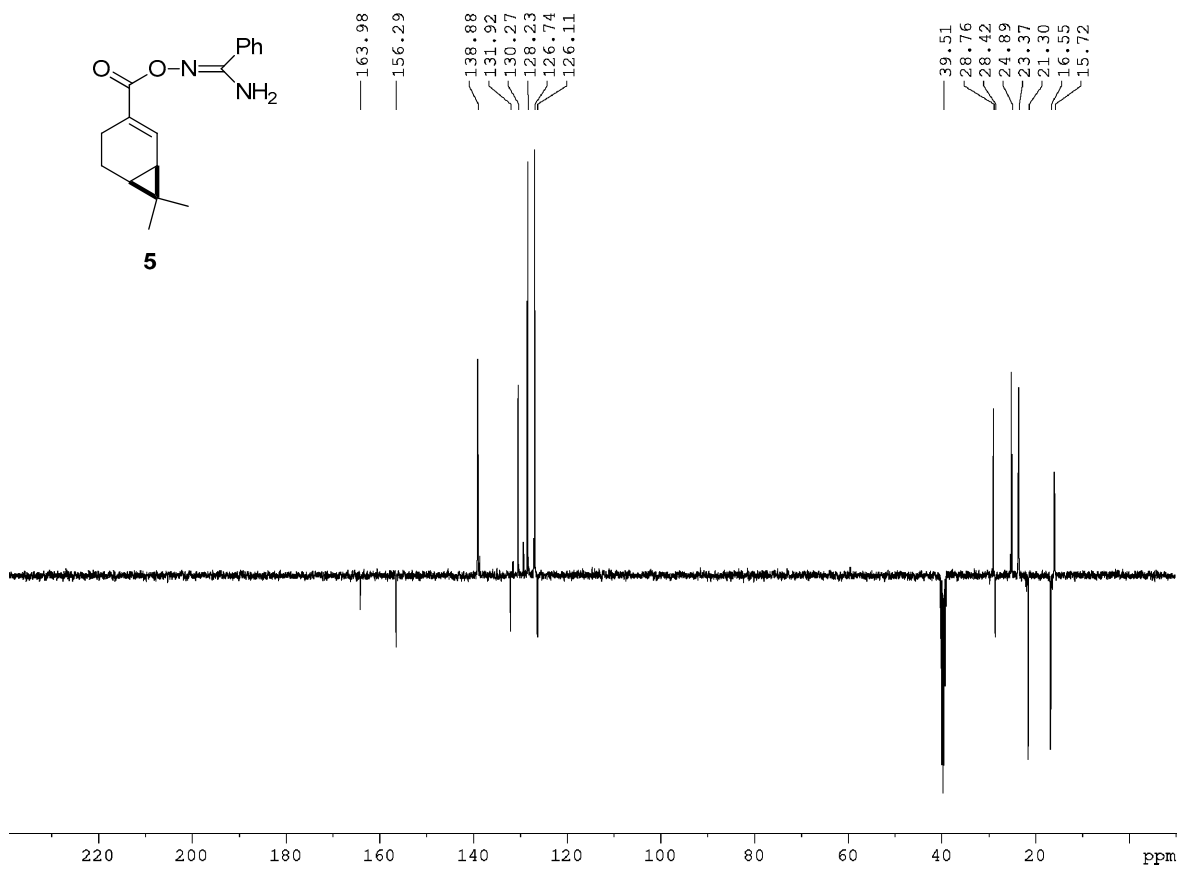
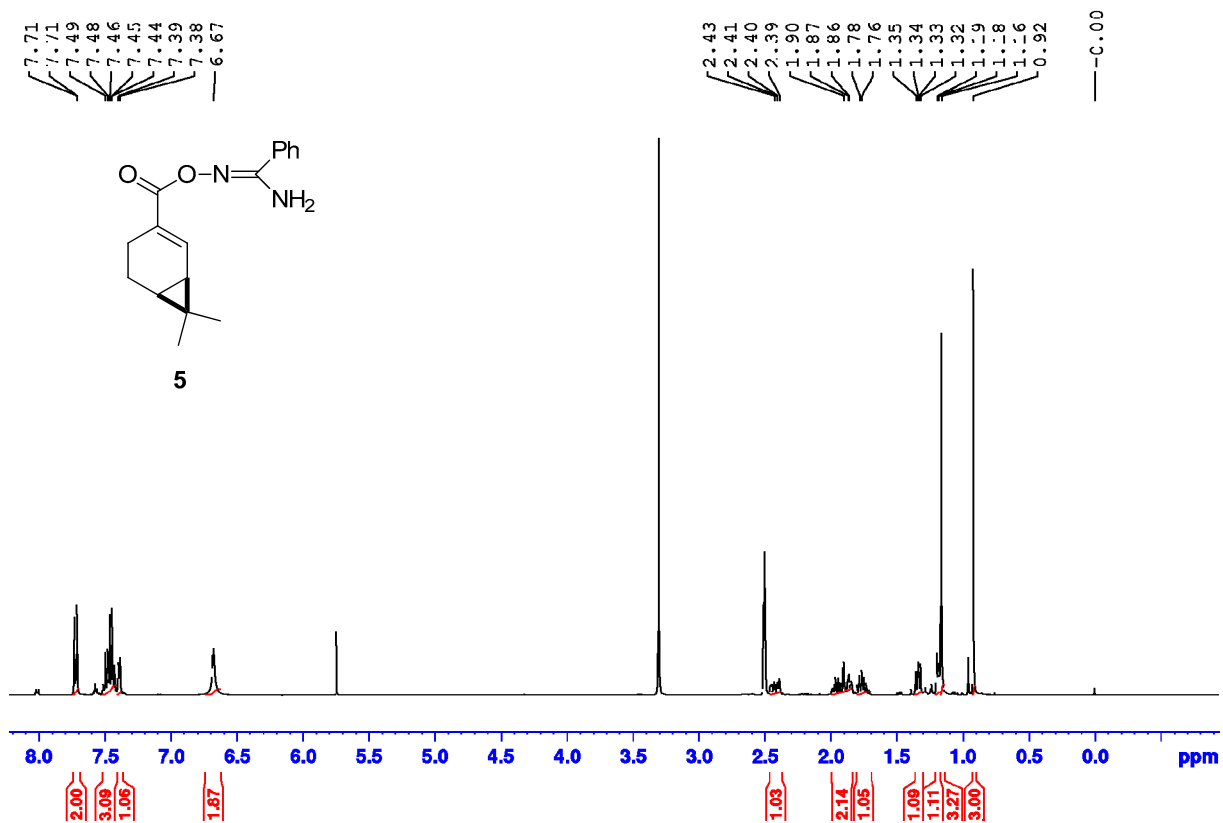
¹H and ¹³C NMR spectra of new compounds S1-S16



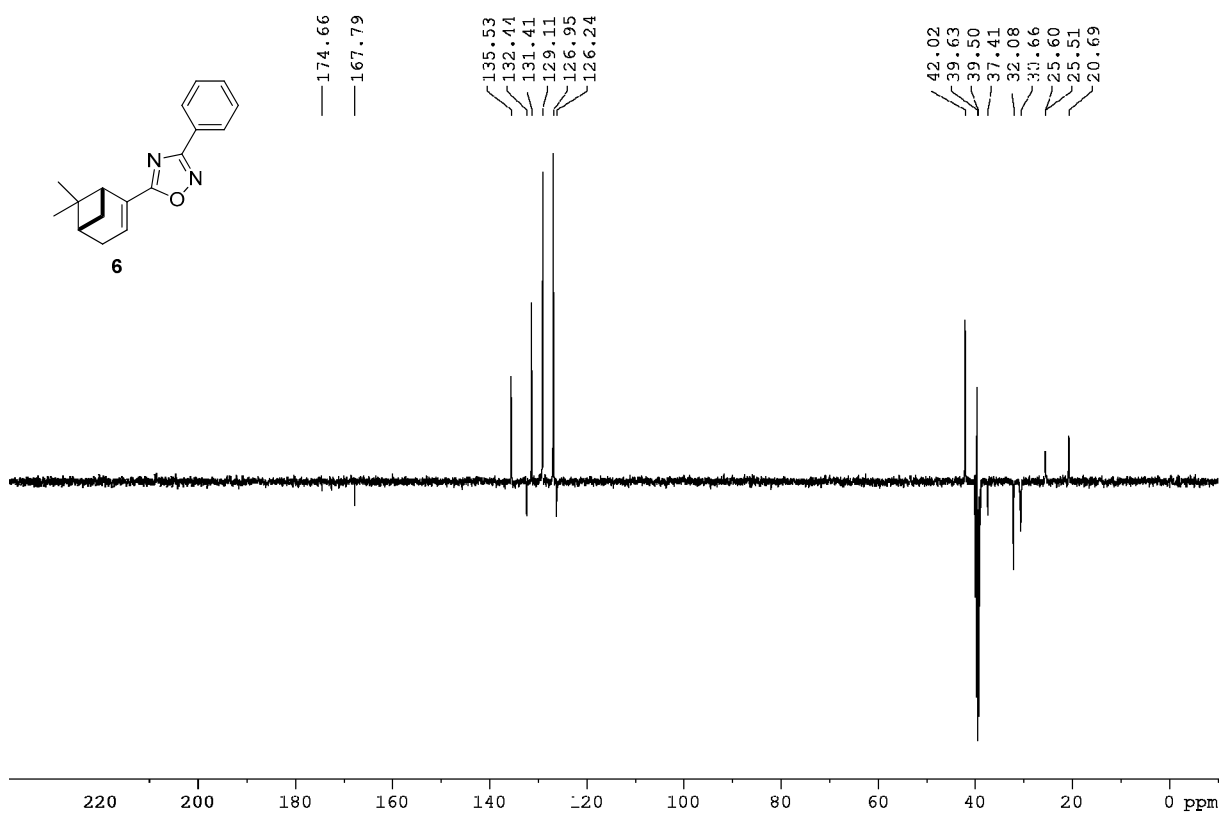
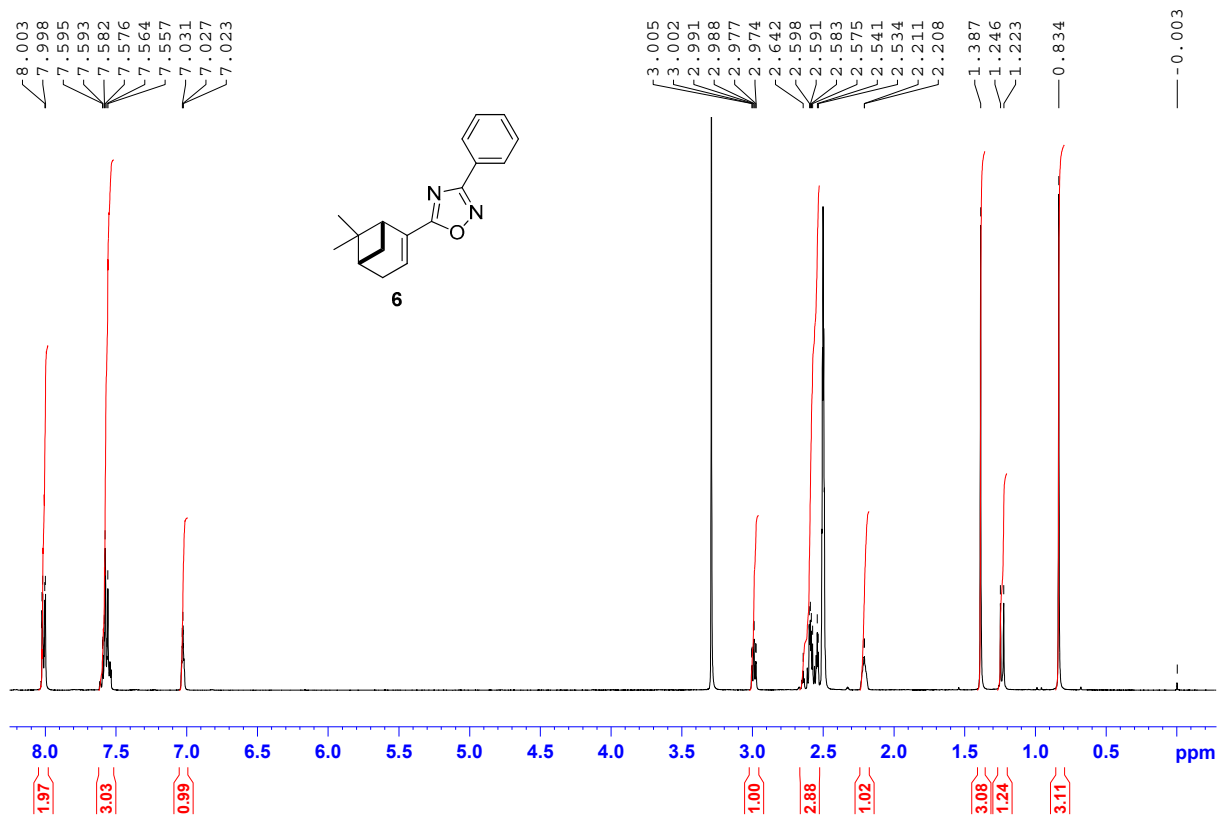
¹H- and ¹³C-NMR spectrum of (*E*)-*N'*-(((1*R*,5*S*)-6,6-dimethylbicyclo[3.1.1]hept-2-ene-2-carbonyl)oxy)benzimidamide (**3**)



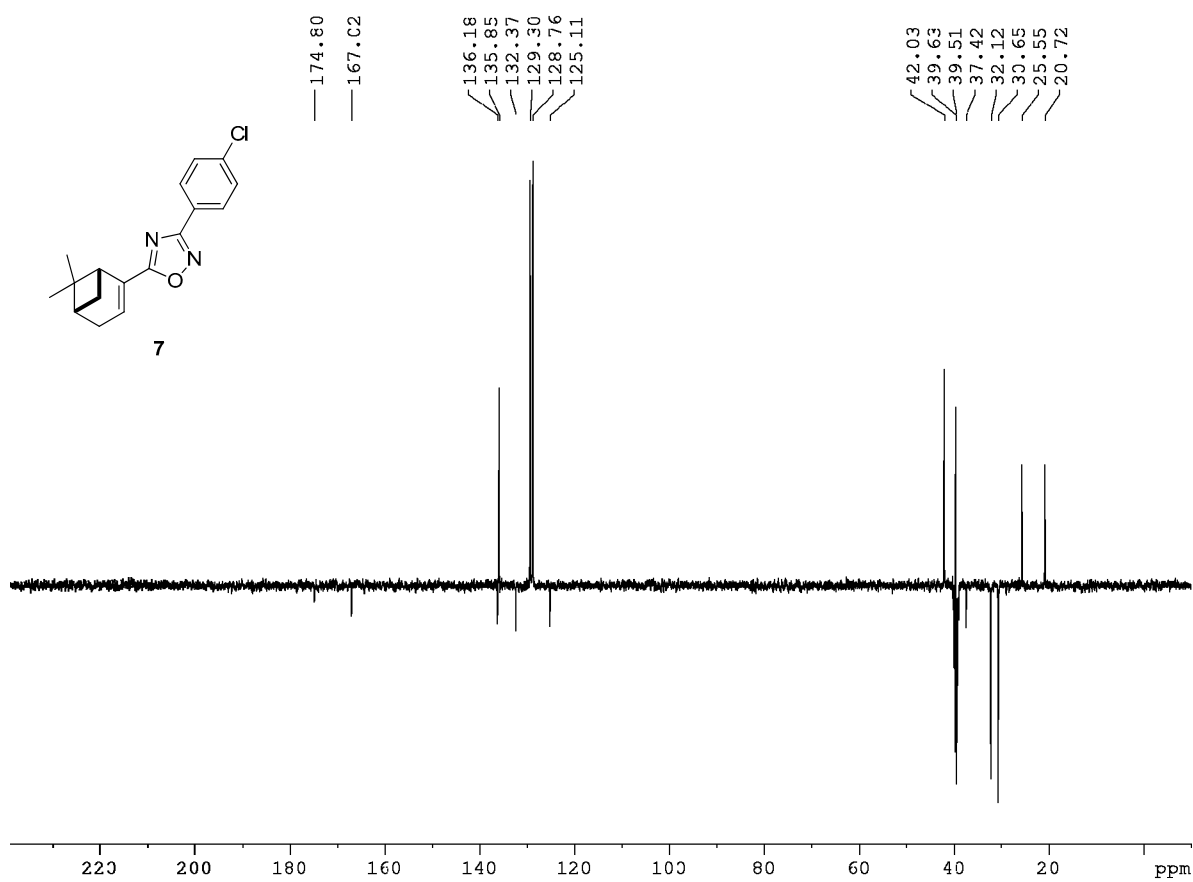
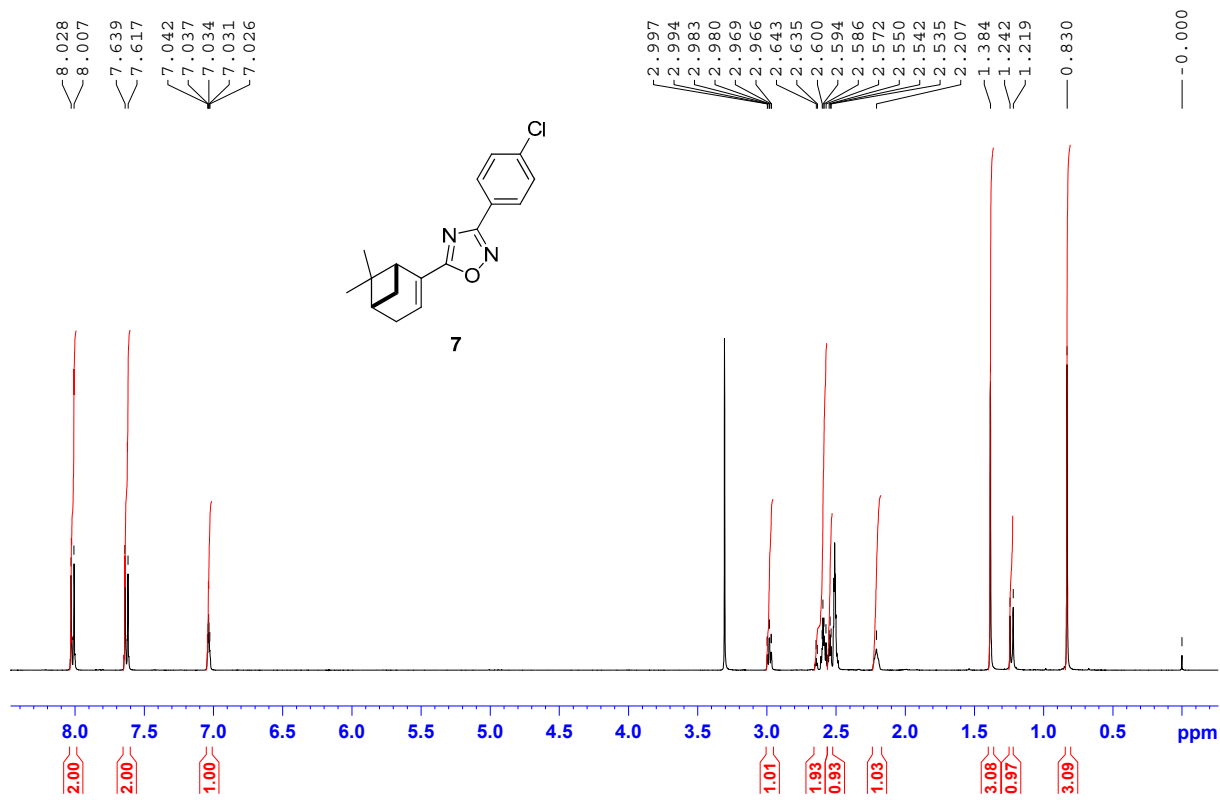
¹H- and ¹³C-NMR spectrum of (*E*)-4-chloro-*N'*-(((1*R*,5*S*)-6,6-dimethylbicyclo[3.1.1]hept-2-ene-2-carbonyl)oxy)benzimidamide (**4**)



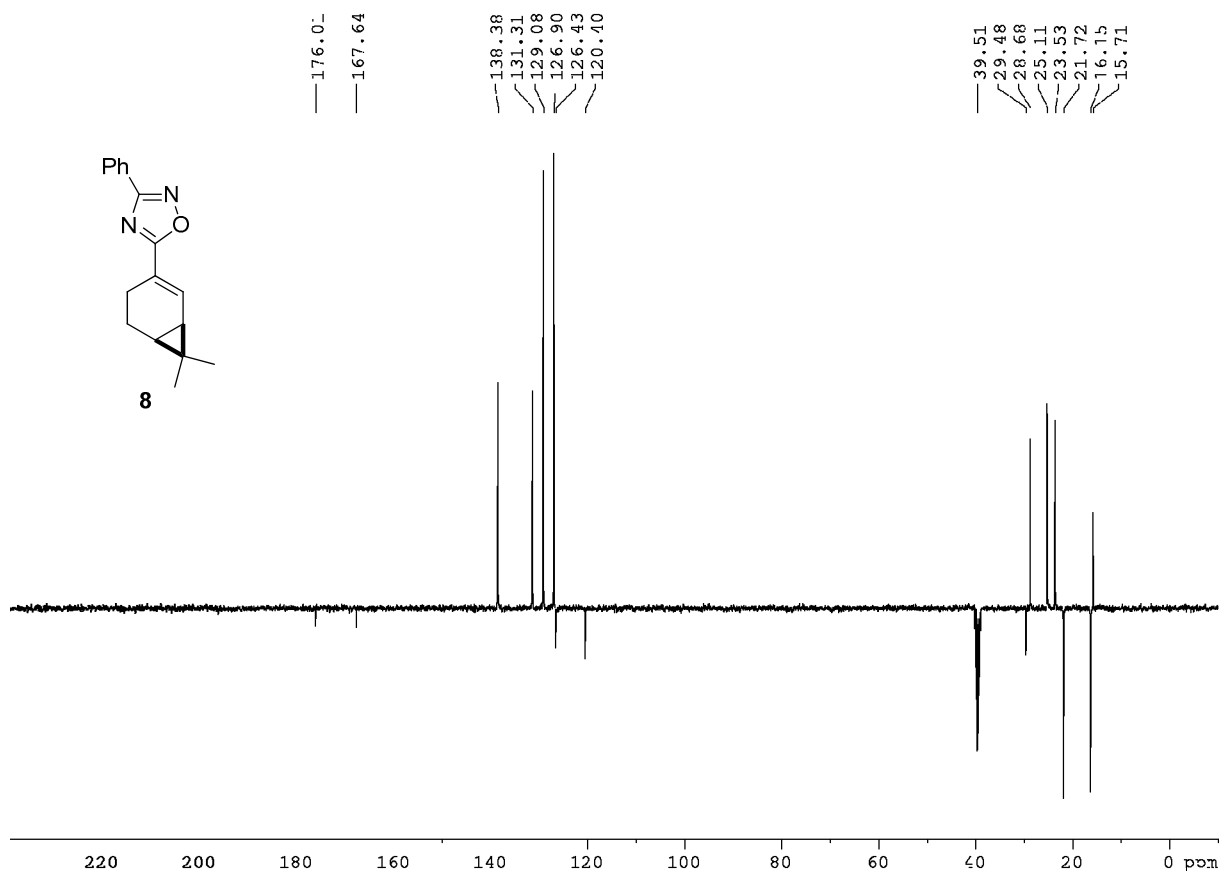
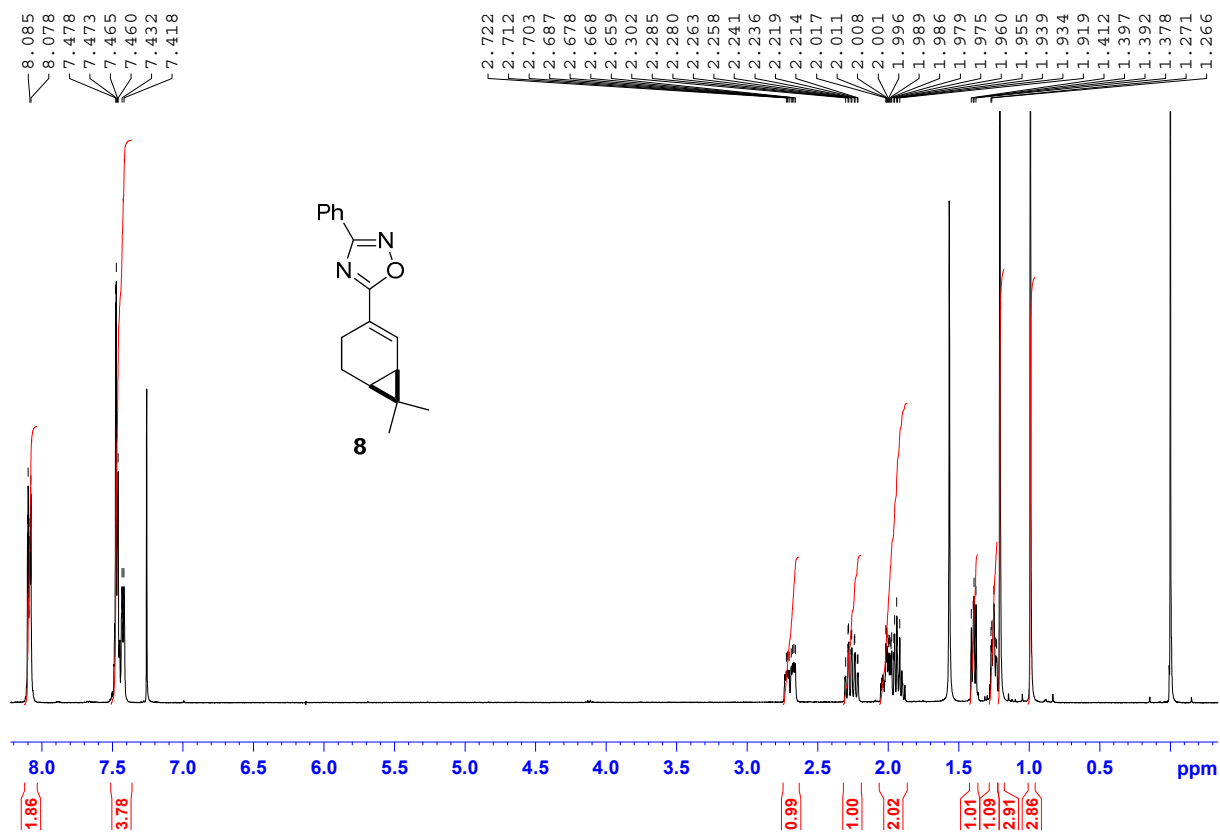
¹H- and ¹³C-NMR spectrum of *N*'-(((1*R*,6*S*)-7,7-dimethylbicyclo[4.1.0]hept-2-ene-3-carbonyl)oxy)benzimidamide (**5**)



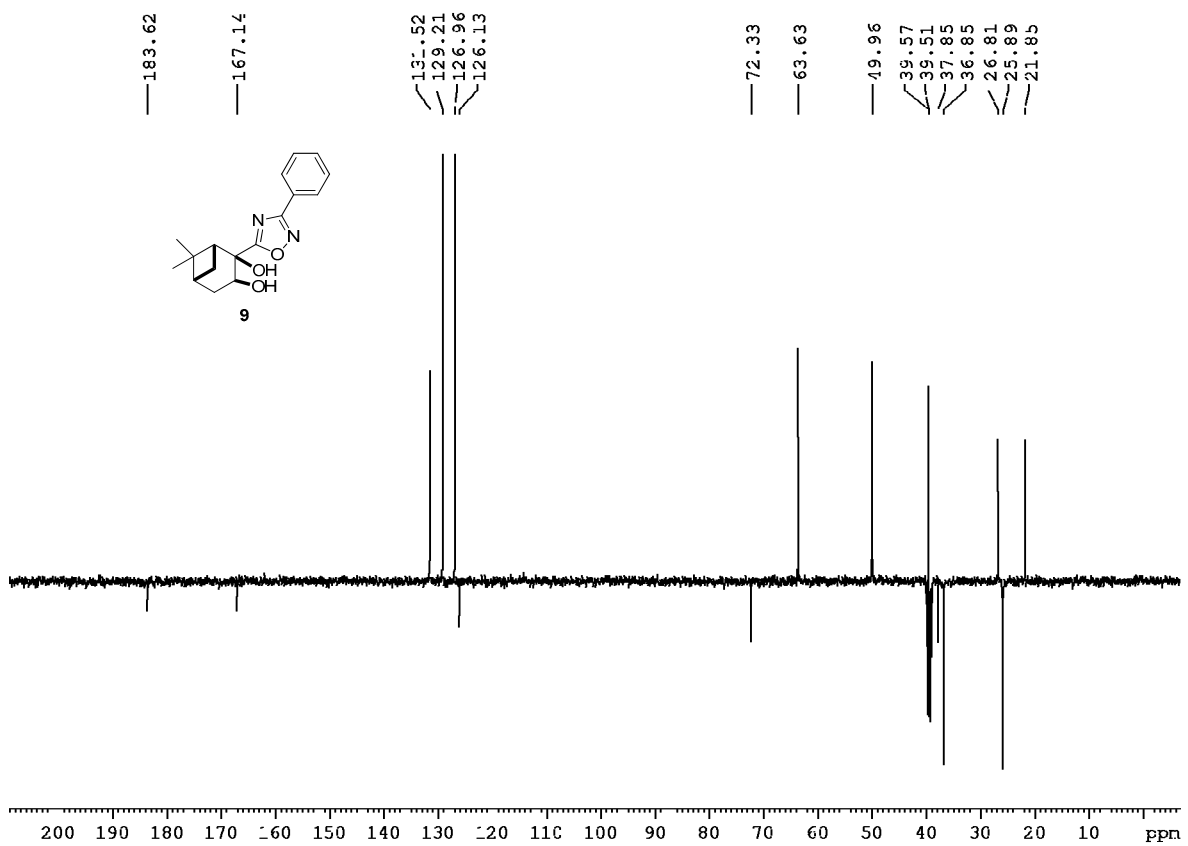
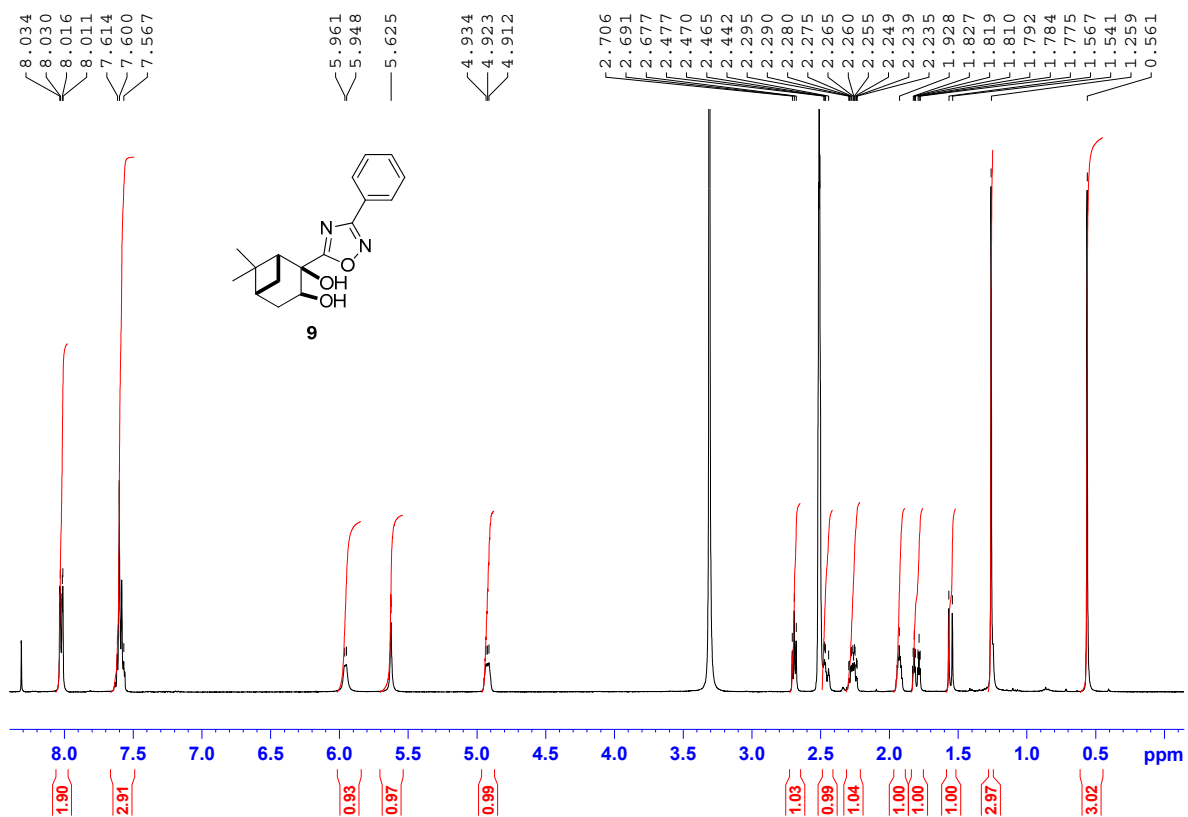
¹H- and ¹³C-NMR spectrum of 5-((1*R*,5*S*)-6,6-dimethylbicyclo[3.1.1]hept-2-en-2-yl)-3-phenyl-1,2,4-oxadiazole (**6**)



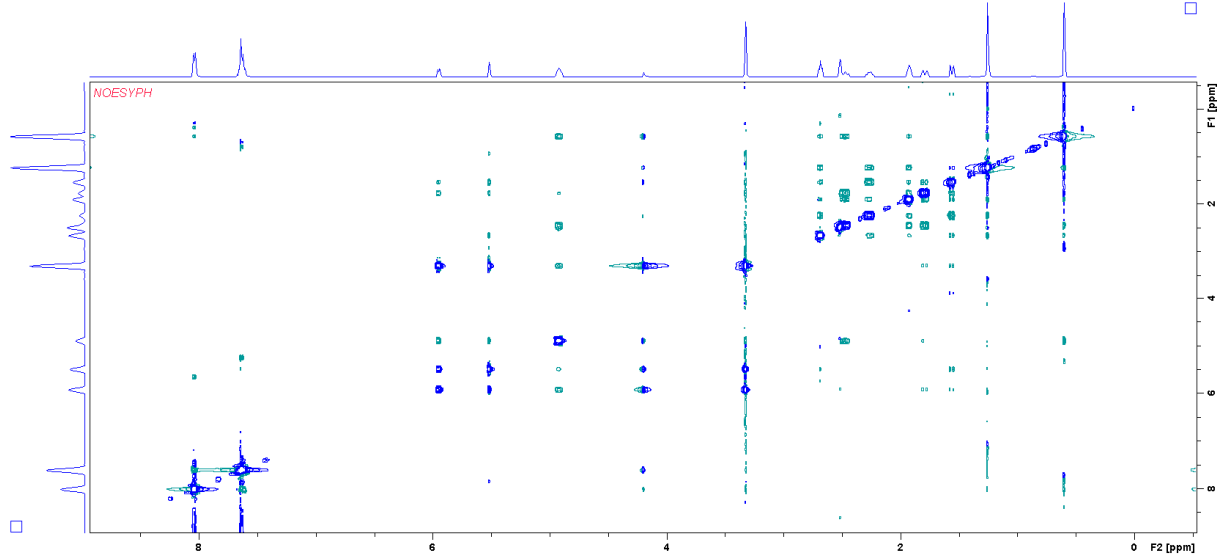
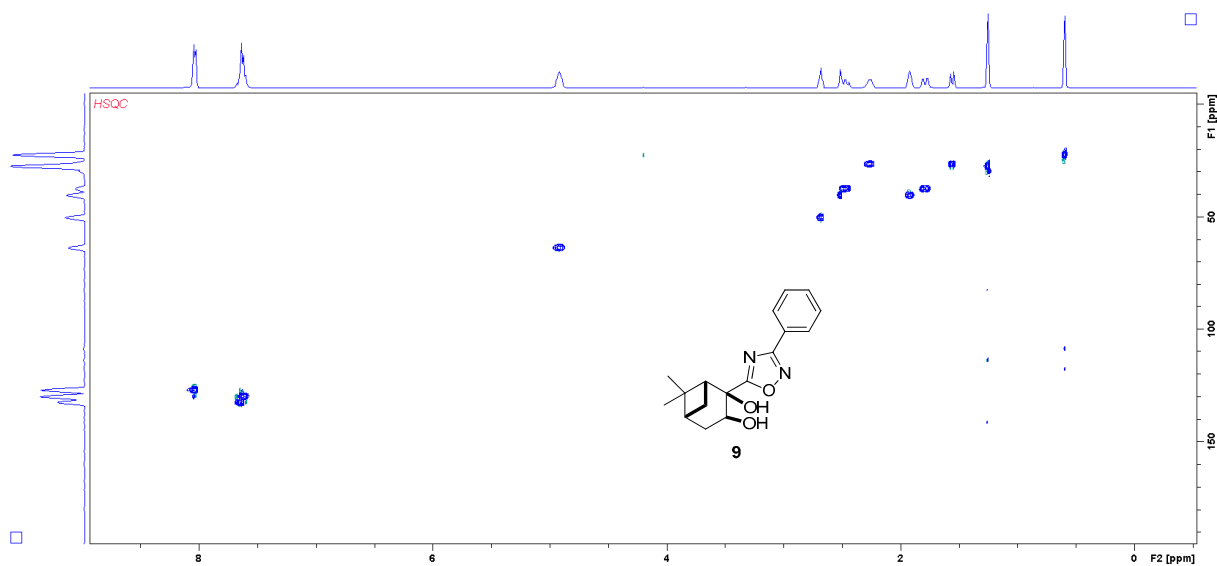
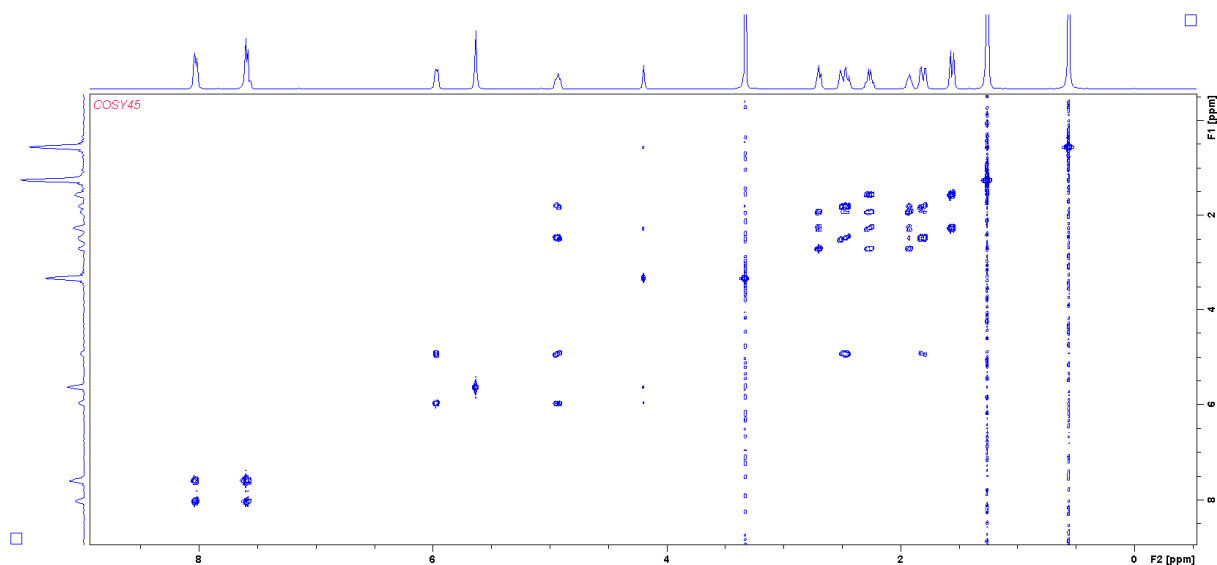
¹H- and ¹³C-NMR spectrum of 3-(4-chlorophenyl)-5-((1R,5S)-6,6-dimethylbicyclo[3.1.1]hept-2-en-2-yl)-1,2,4-oxadiazole (7)



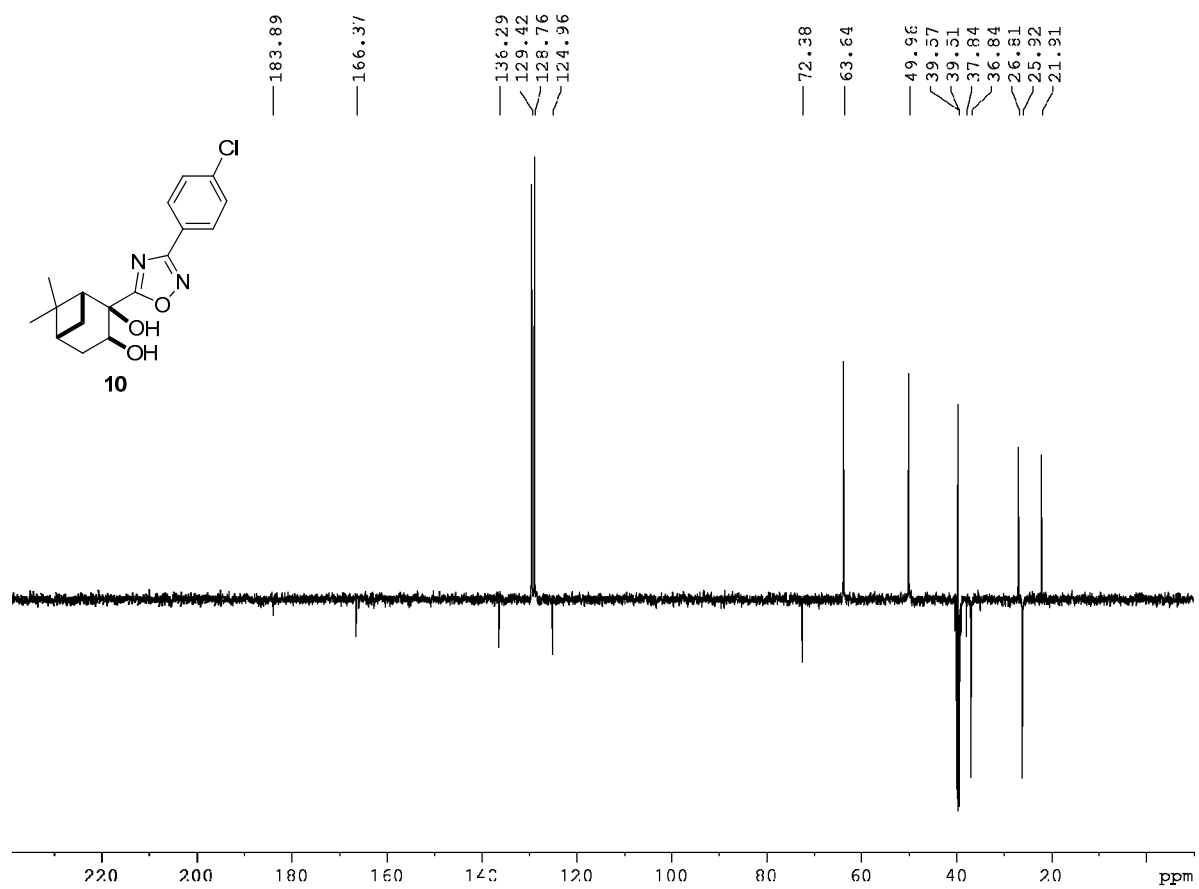
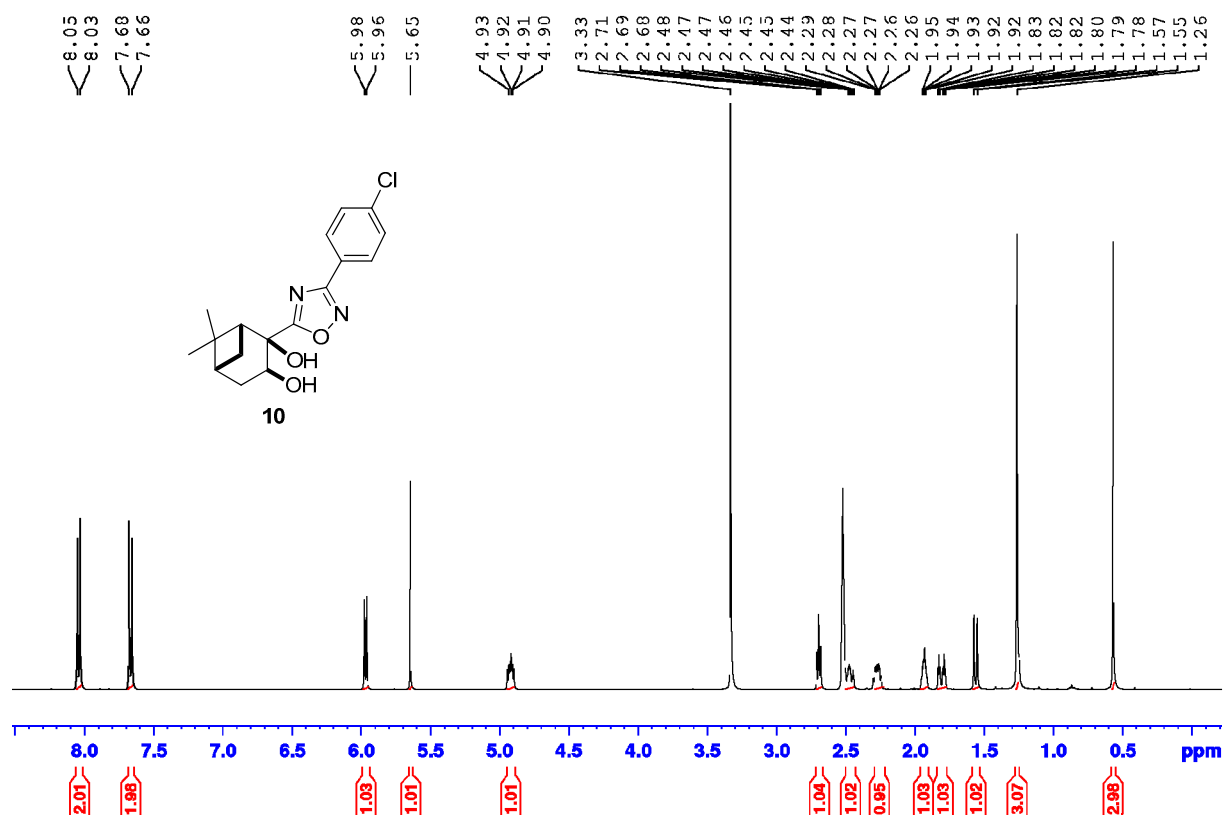
¹H- and ¹³C-NMR spectrum of 5-((1*R*,6*S*)-7,7-dimethylbicyclo[4.1.0]hept-2-en-3-yl)-3-phenyl-1,2,4-oxadiazole (**8**)



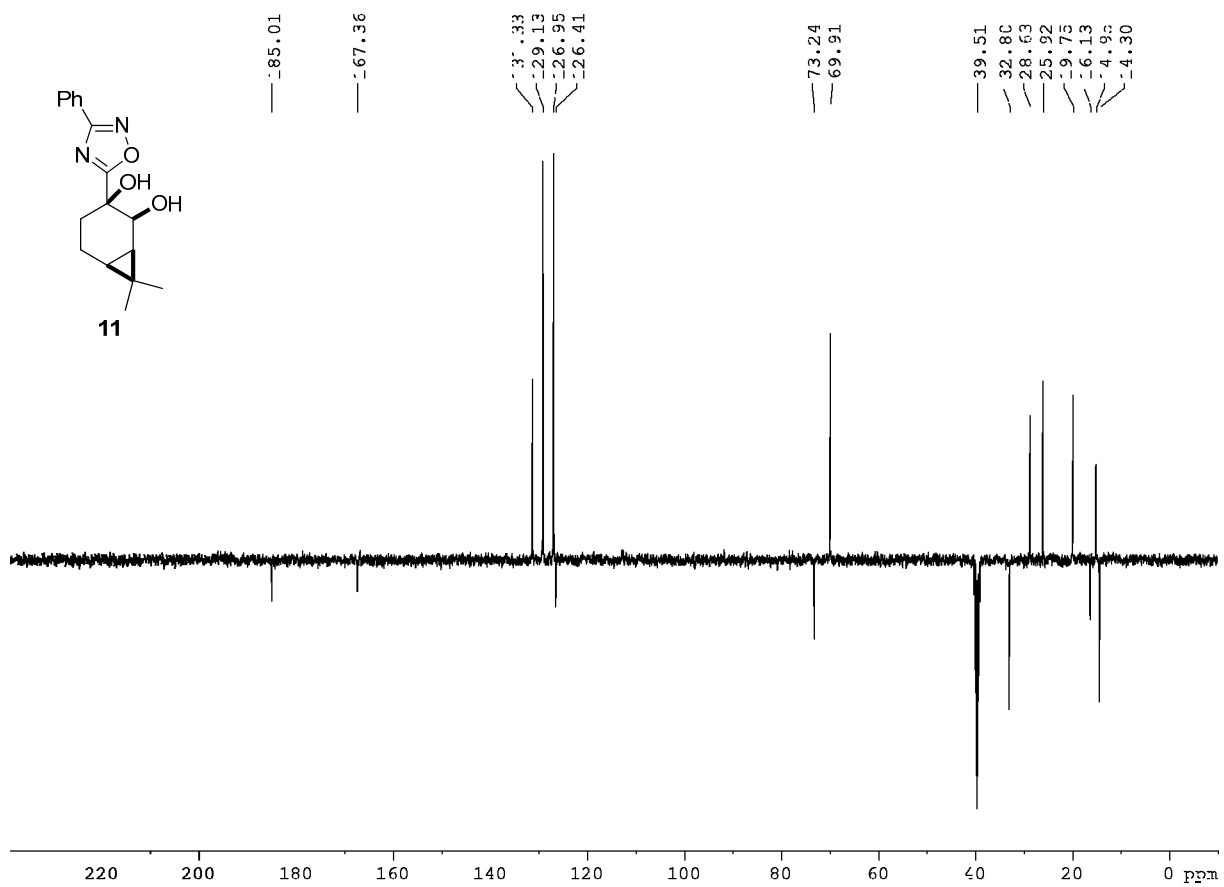
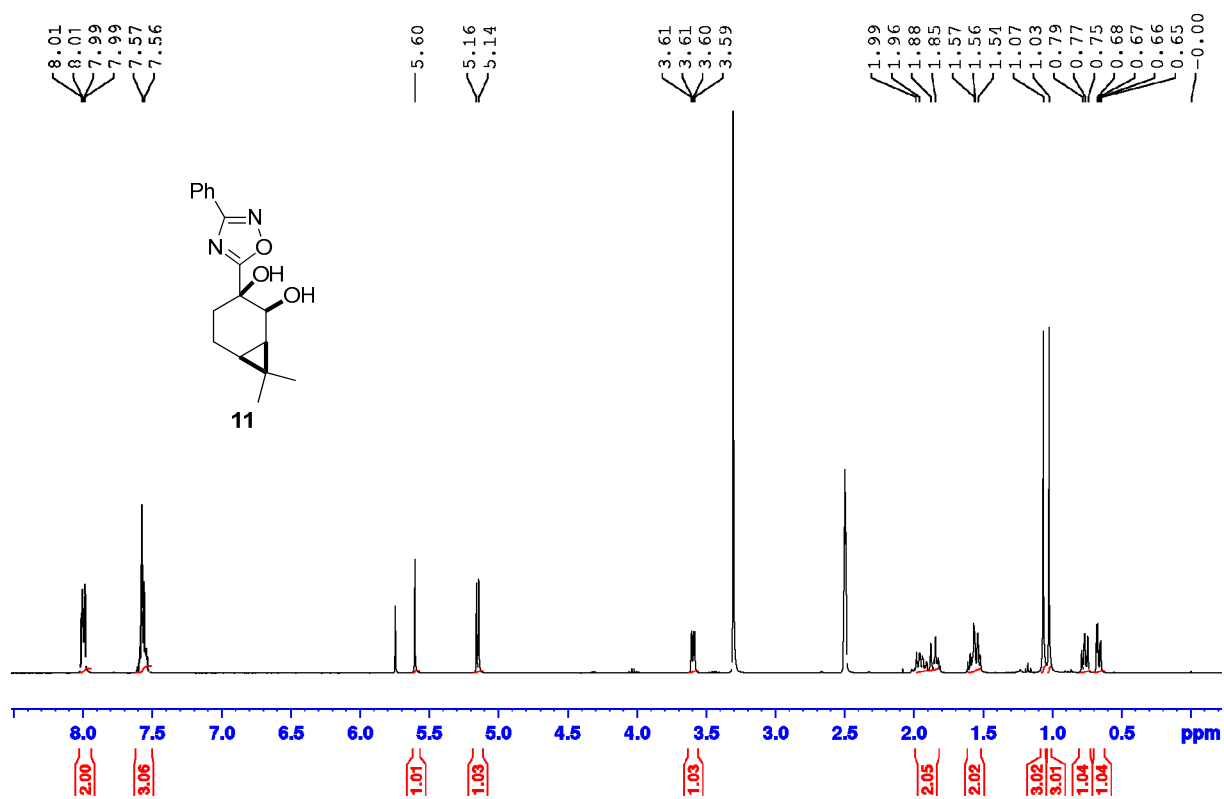
¹H- and ¹³C-NMR spectrum of (1*R*,2*R*,3*S*,5*R*)-6,6-dimethyl-2-(3-phenyl-1,2,4-oxadiazol-5-yl)bicyclo[3.1.1]heptane-2,3-diol (**9**)



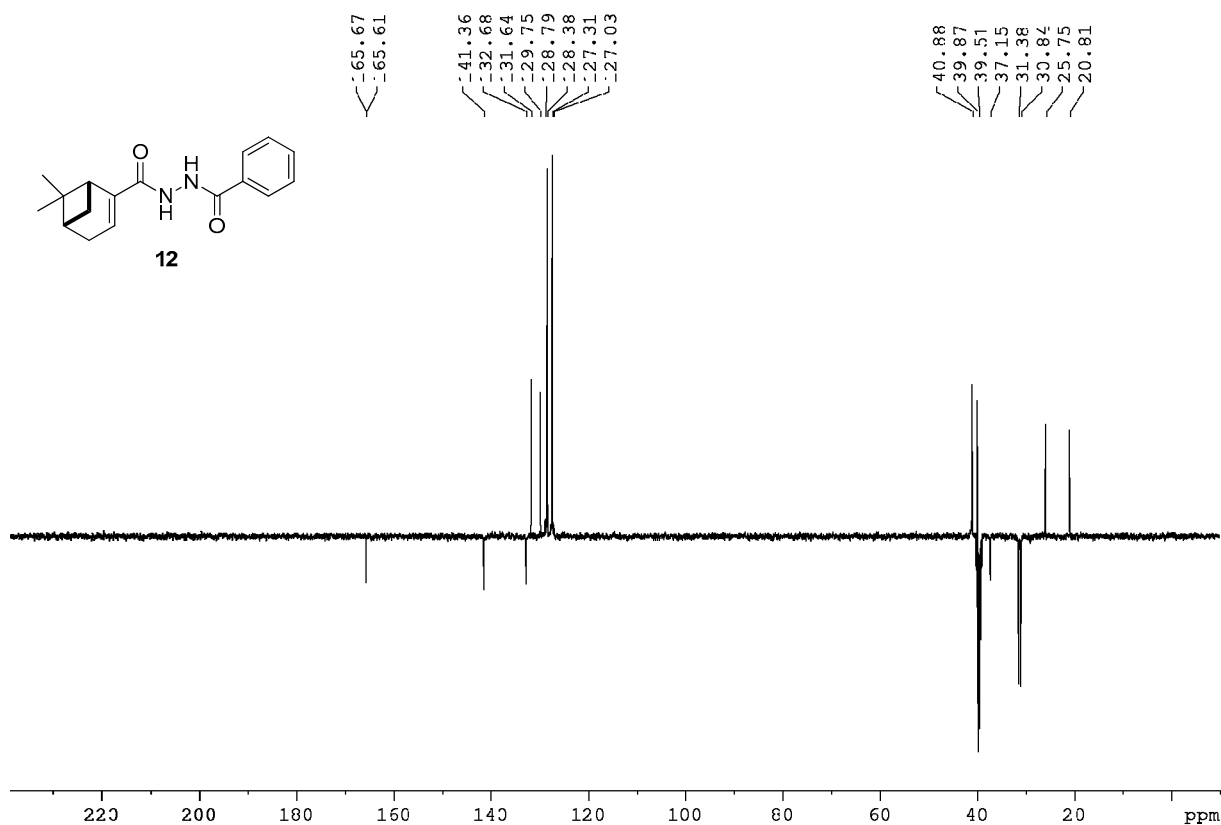
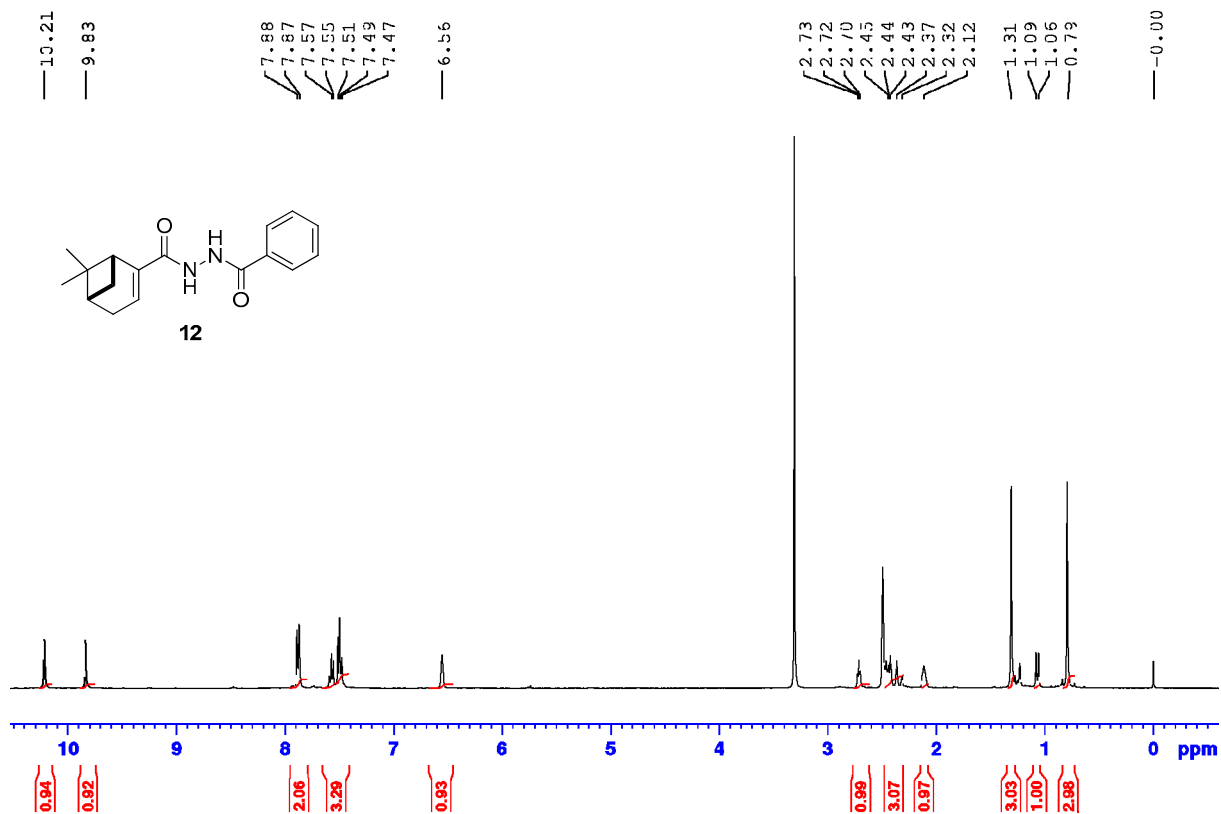
COSY-, HSQC and NOESY spectrum of *(1R,2R,3S,5R)*-6,6-dimethyl-2-(3-phenyl-1,2,4-oxadiazol-5-yl)bicyclo[3.1.1]heptane-2,3-diol (**9**)



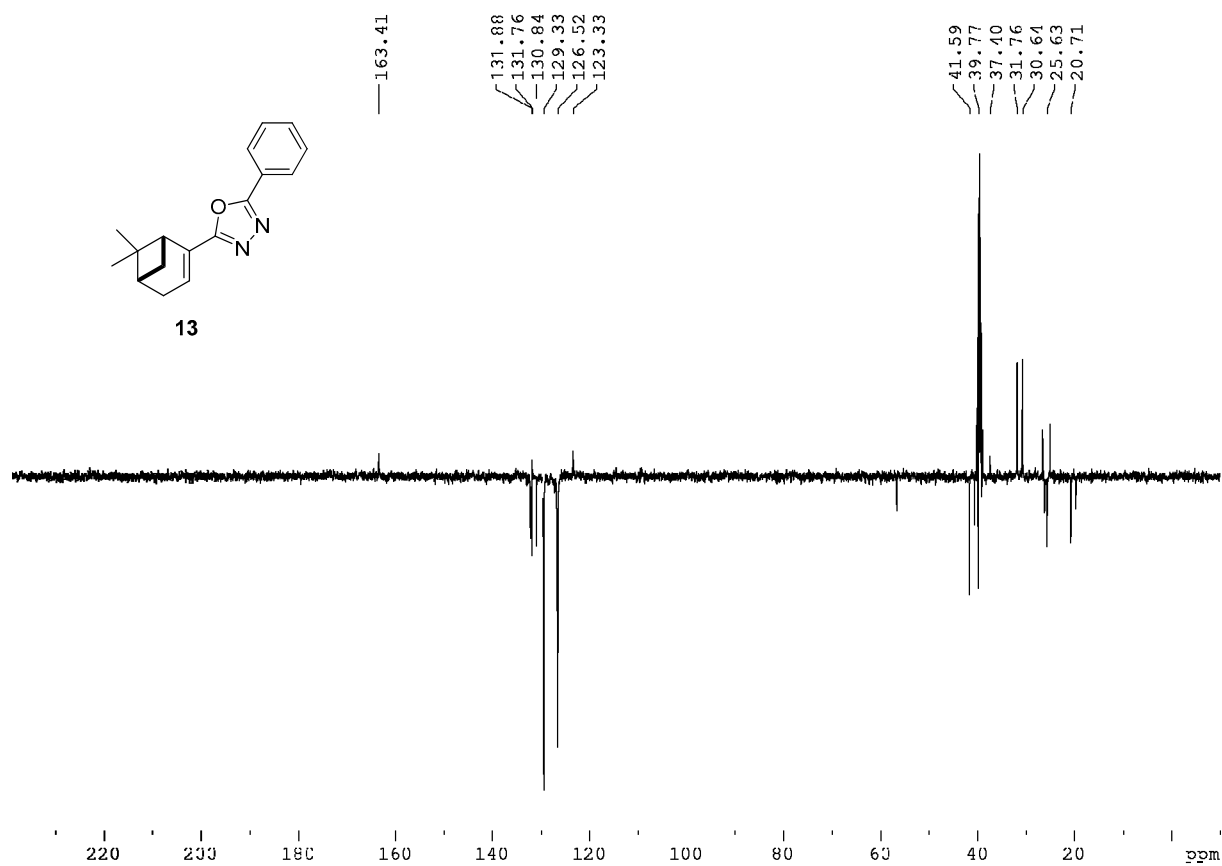
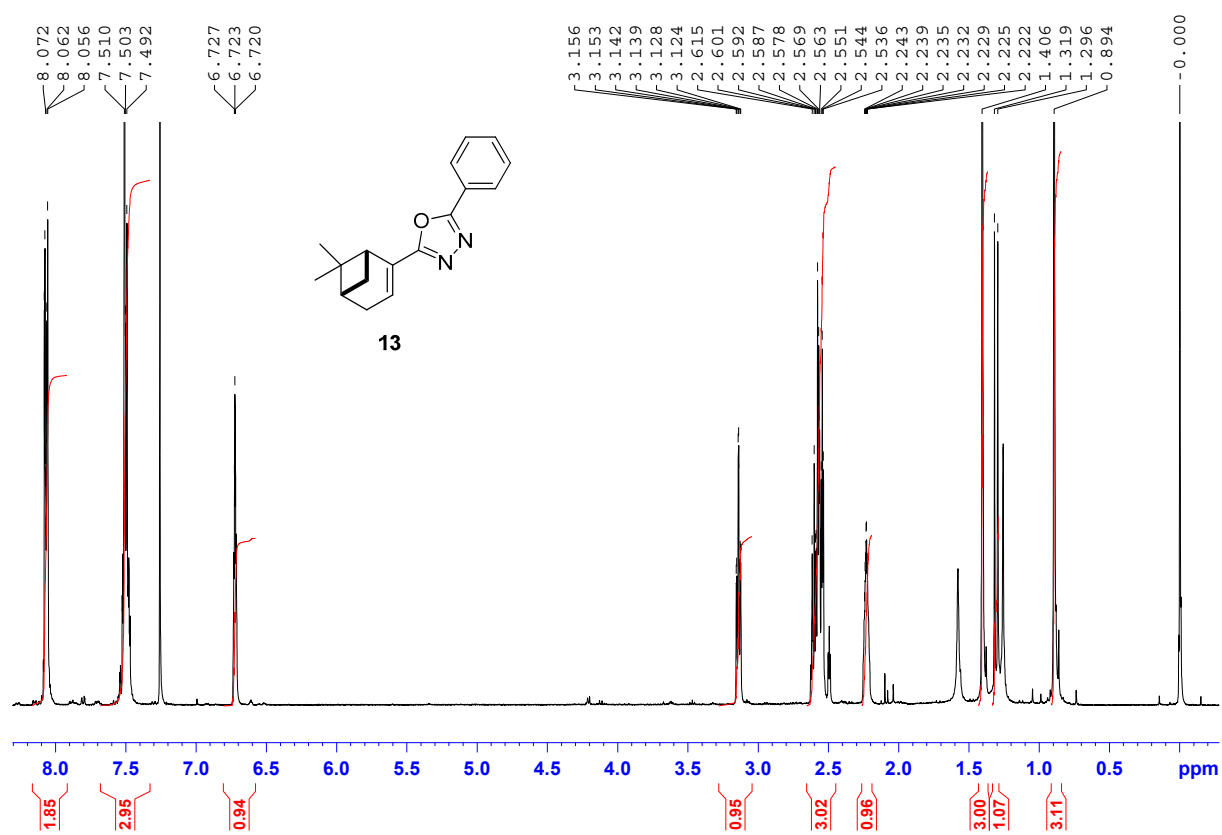
¹H- and ¹³C-NMR spectrum of (1*R*,2*R*,3*S*,5*R*)-2-(3-(4-chlorophenyl)-1,2,4-oxadiazol-5-yl)-6,6-dimethylbicyclo[3.1.1]heptane-2,3-diol (**10**)



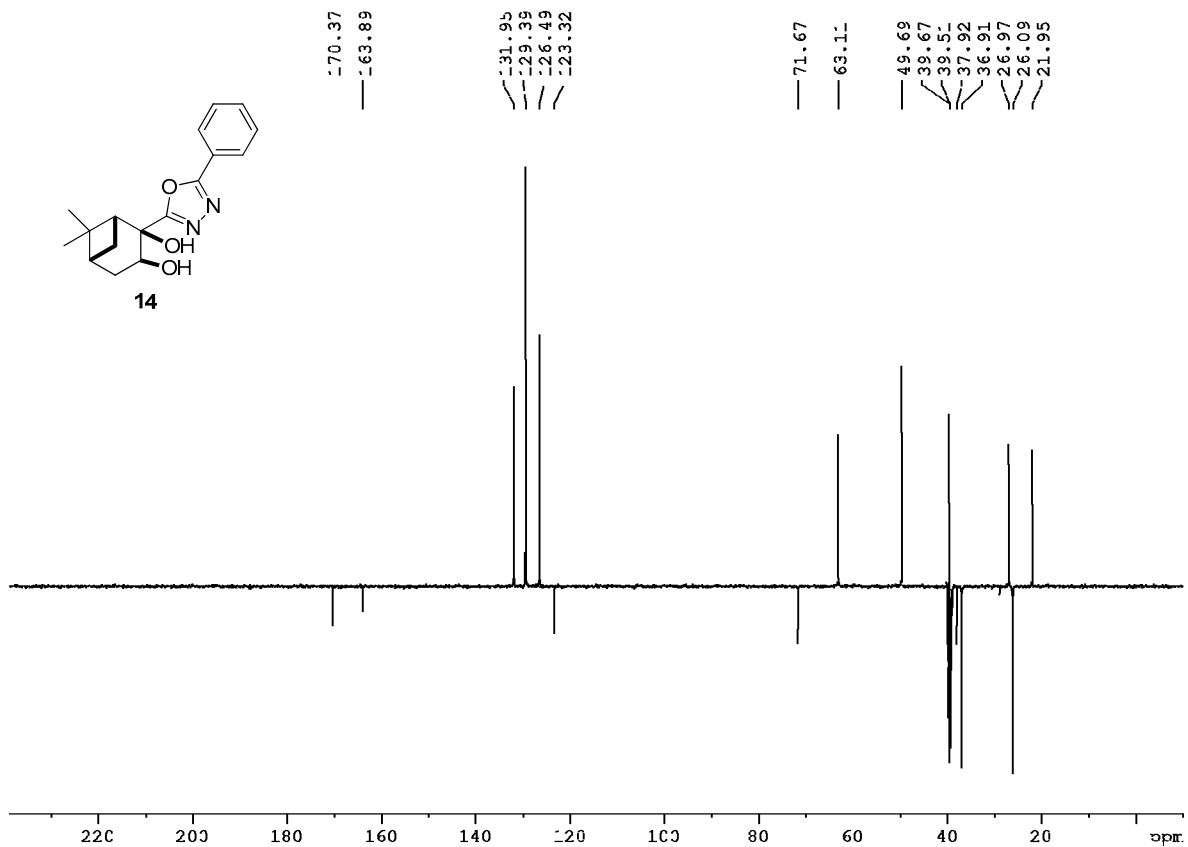
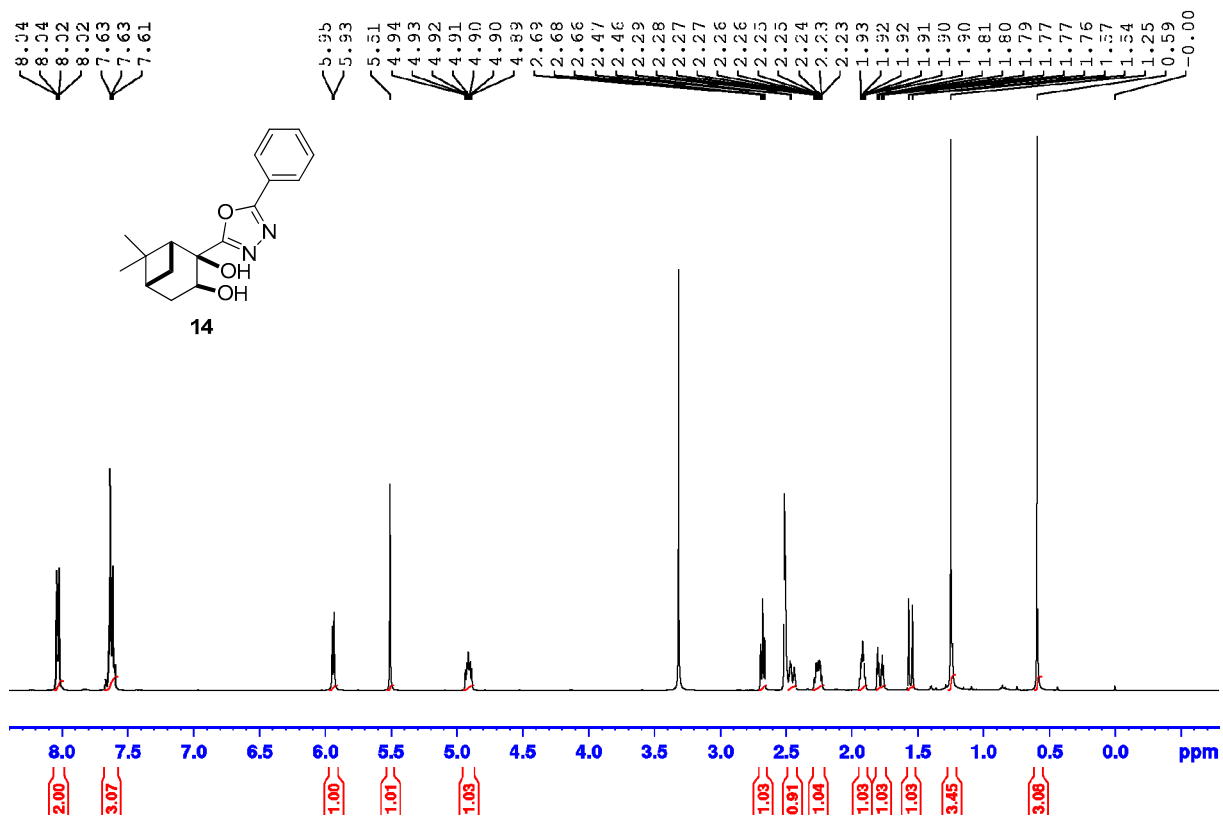
¹H- and ¹³C-NMR spectrum of *(1R,2S,3R,6S)*-7,7-dimethyl-3-(3-phenyl-1,2,4-oxadiazol-5-yl)bicyclo[4.1.0]heptane-2,3-diol (**11**)



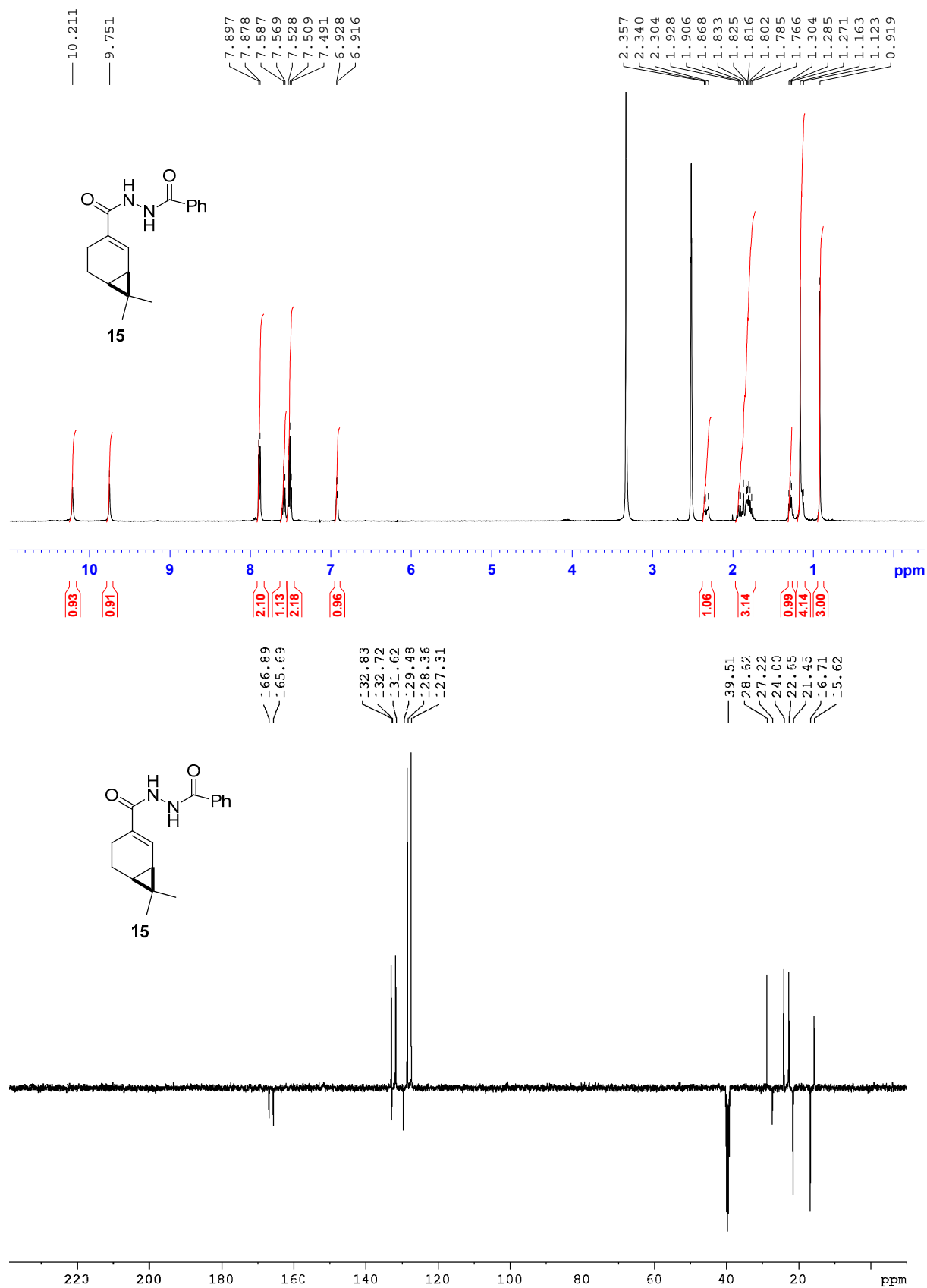
¹H- and ¹³C-NMR spectrum of *(1R,5S)*-*N'*-benzoyl-6,6-dimethylbicyclo[3.1.1]hept-2-ene-2-carbohydrazide (**12**)



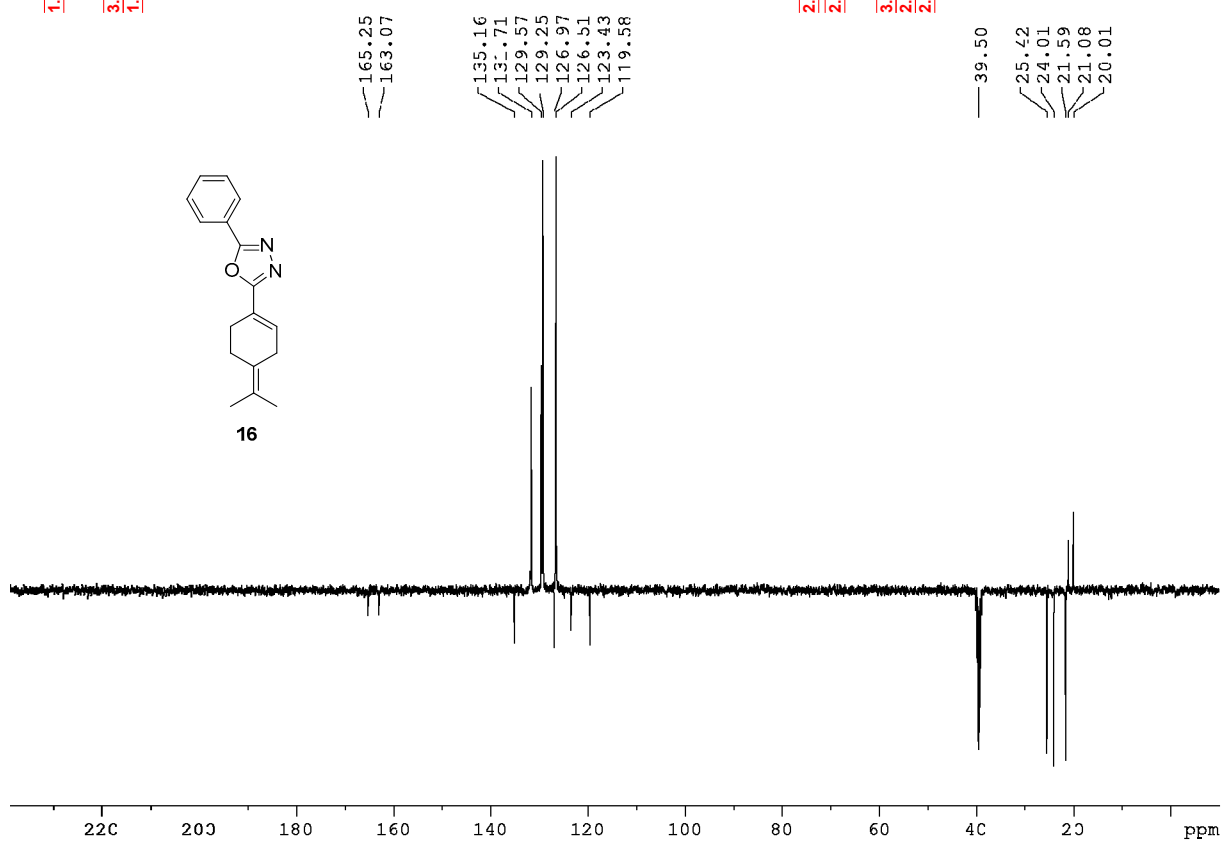
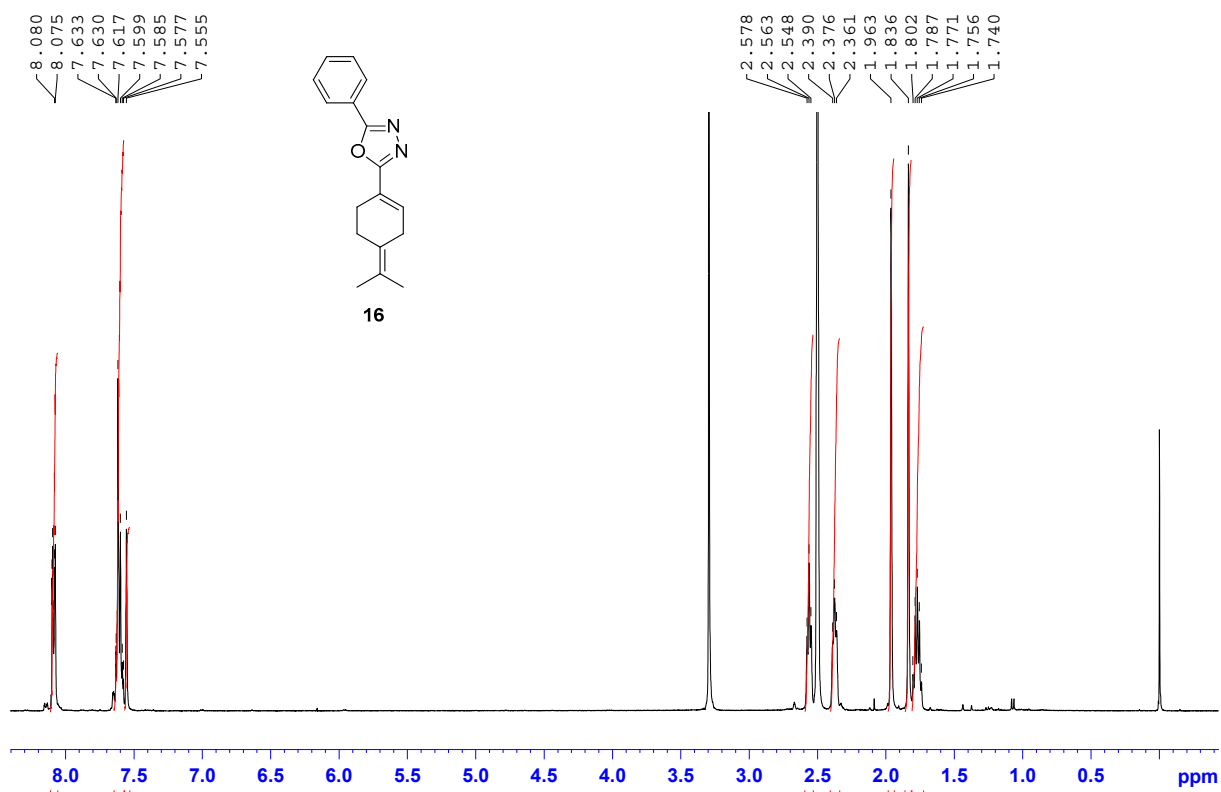
¹H- and ¹³C-NMR spectrum of 2-((1*R*,5*S*)-6,6-dimethylbicyclo[3.1.1]hept-2-en-2-yl)-5-phenyl-1,3,4-oxadiazole (**13**)



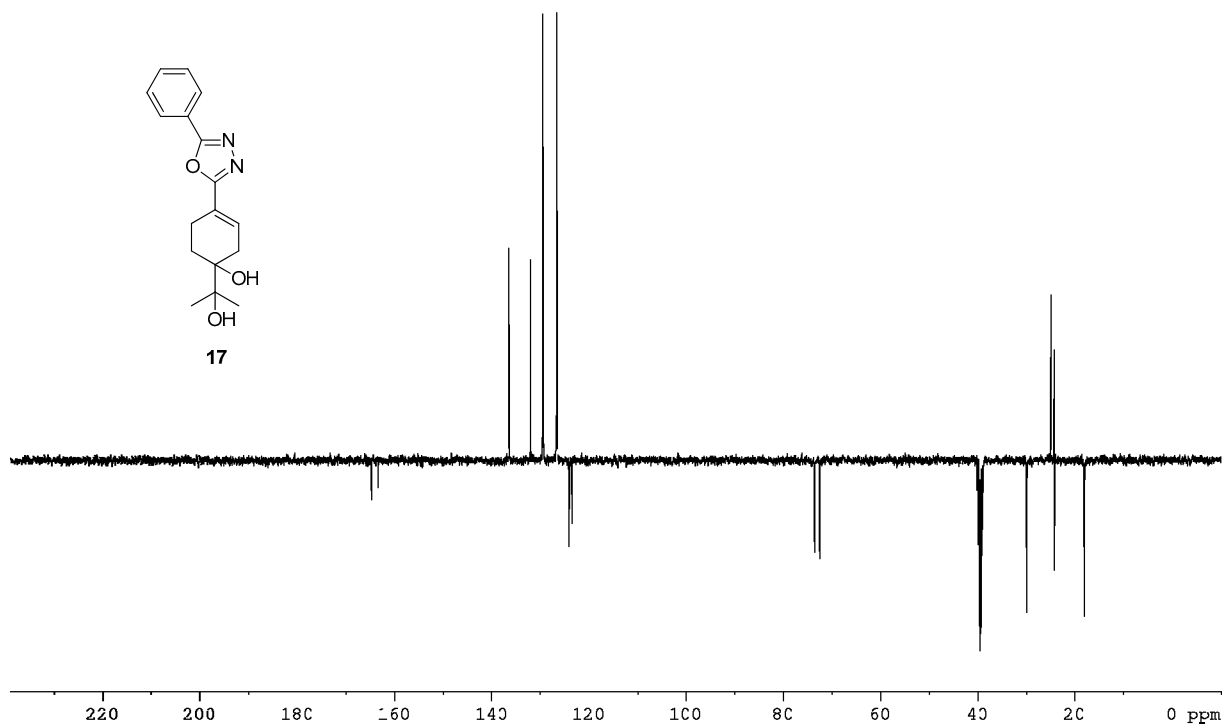
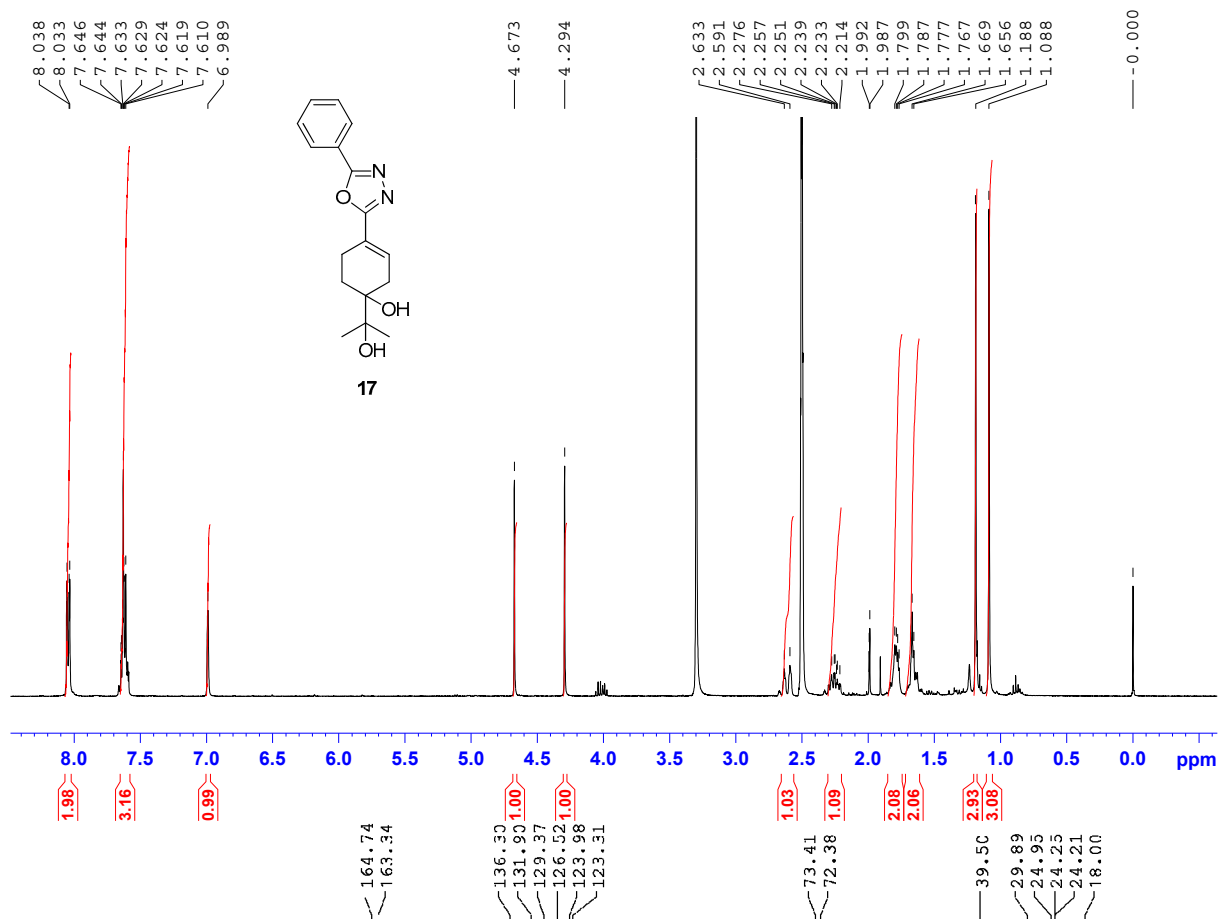
¹H- and ¹³C-NMR spectrum of (1*R*,2*R*,3*S*,5*R*)-6,6-dimethyl-2-(5-phenyl-1,3,4-oxadiazol-2-yl)bicyclo[3.1.1]heptane-2,3-diol (**14**)



¹H- and ¹³C-NMR spectrum of (1*R*,6*S*)-*N'*-benzoyl-7,7-dimethylbicyclo[4.1.0]hept-2-ene-3-carbohydrazide (**15**)



¹H- and ¹³C-NMR spectrum of 2-phenyl-5-(4-(propan-2-ylidene)cyclohex-1-en-1-yl)-1,3,4-oxadiazole (**16**)



¹H- and ¹³C-NMR spectrum of *1-(2-hydroxypropan-2-yl)-4-(5-phenyl-1,3,4-oxadiazol-2-yl)cyclohex-3-enol (17)*