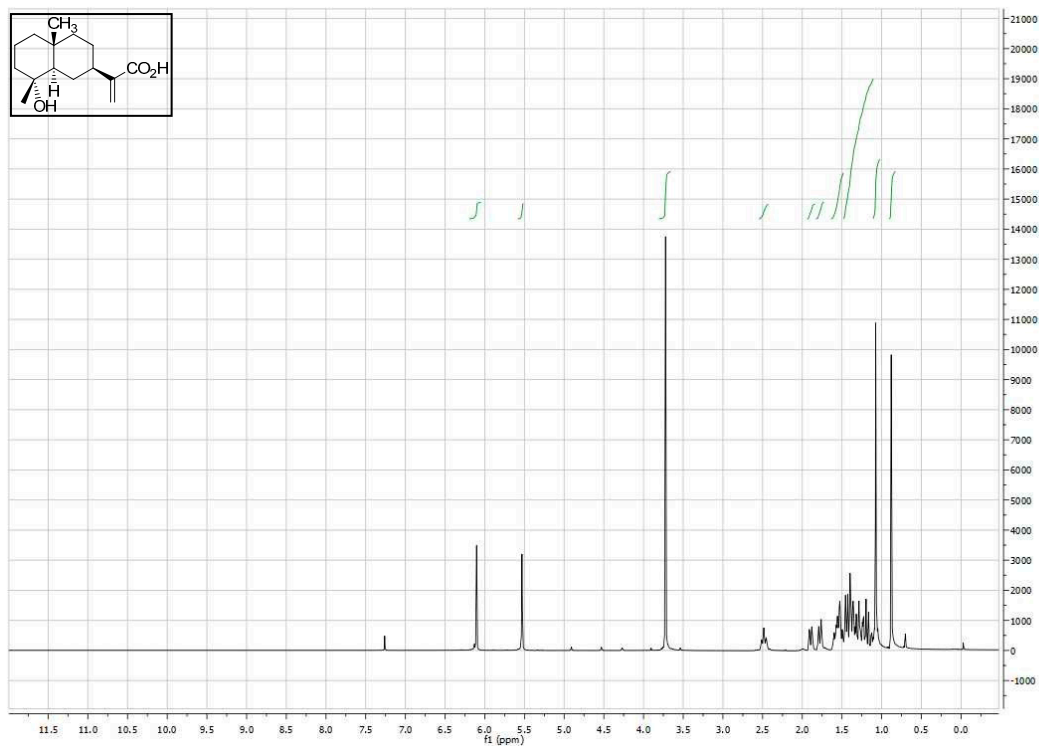
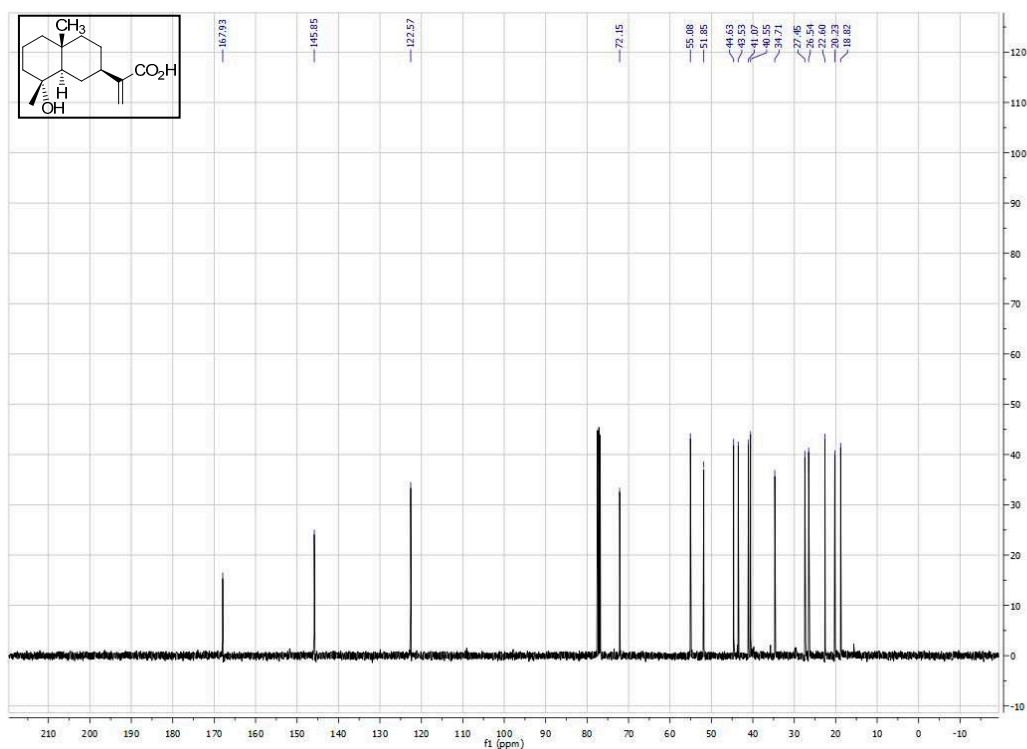


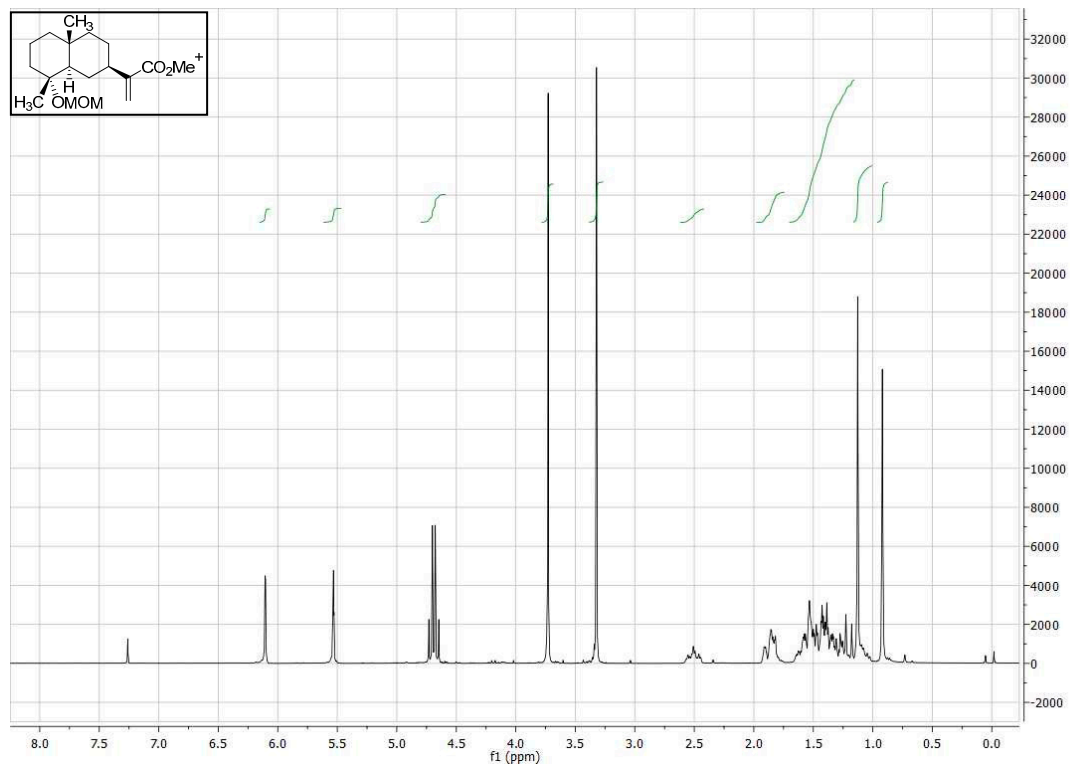
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-prop-2-enoate (1)



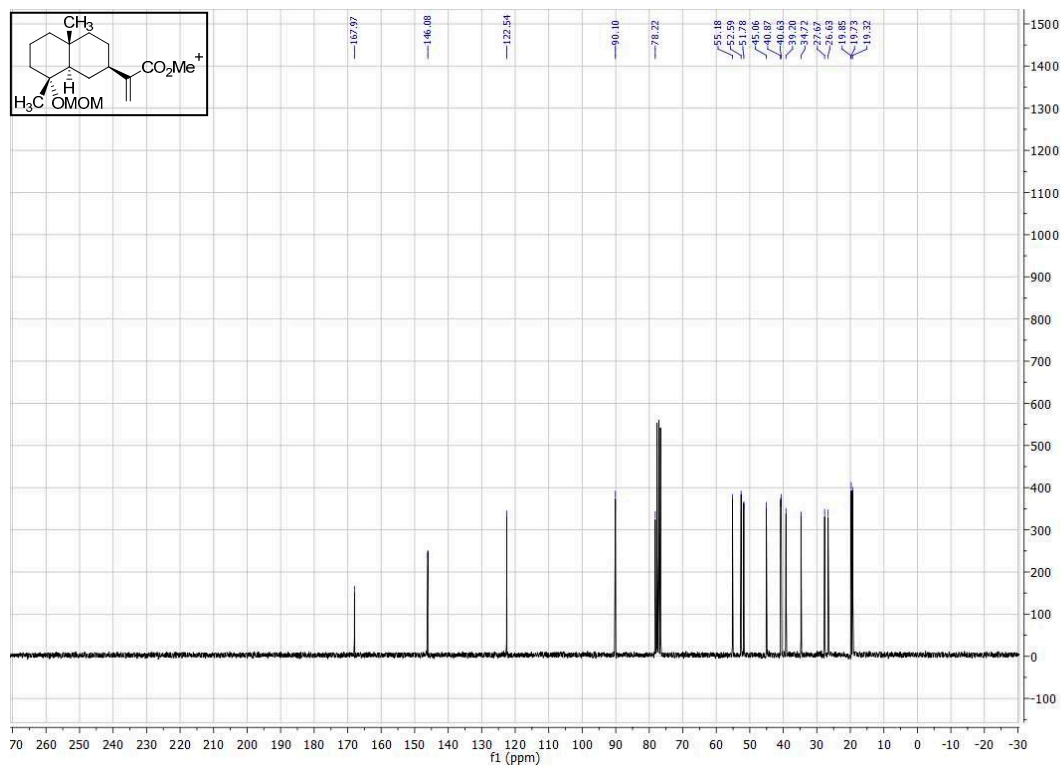
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-prop-2-enoate (1)



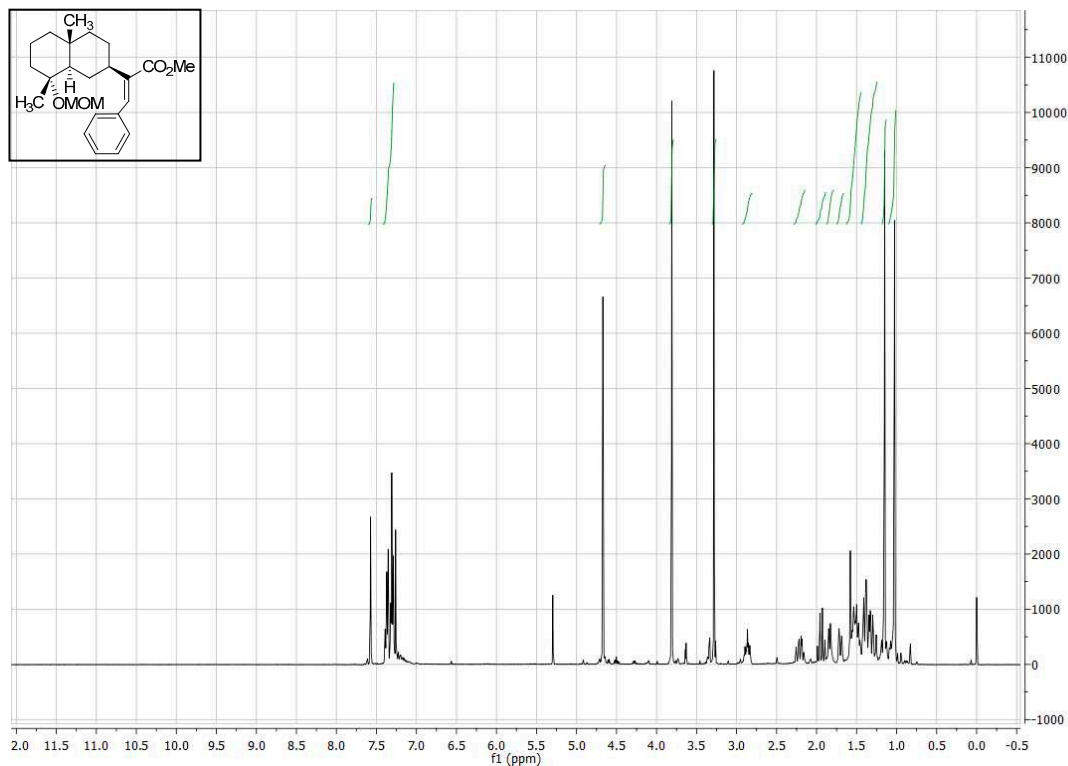
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]prop-2-enoate (3)



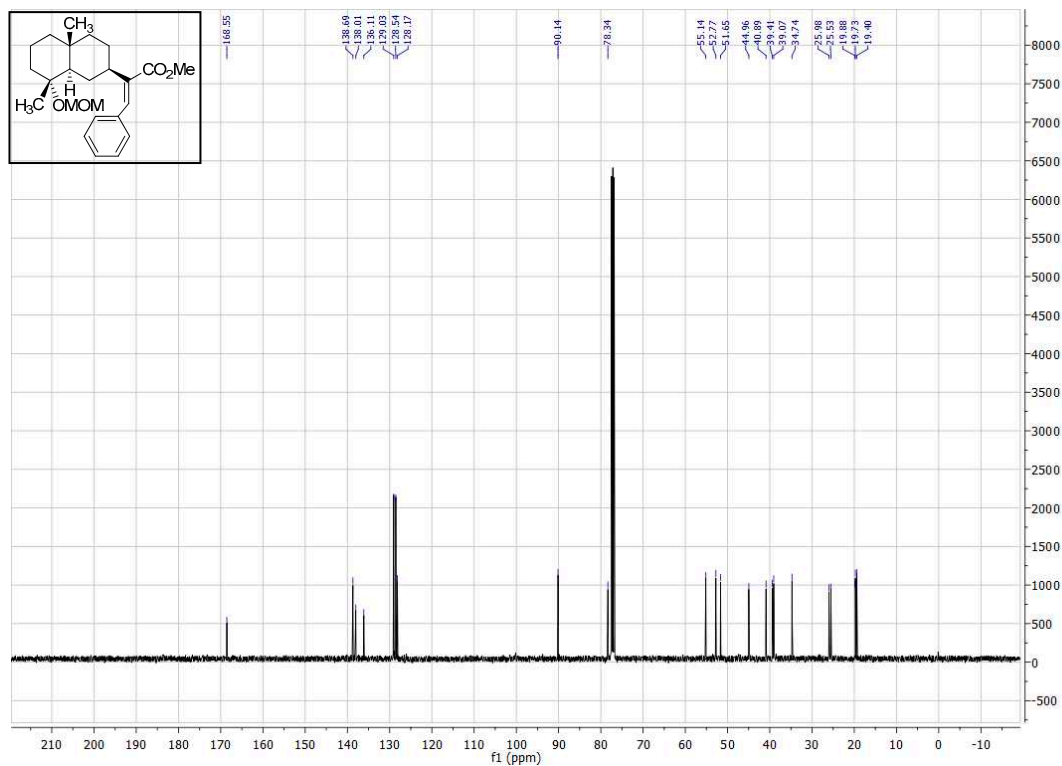
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]prop-2-enoate (3)



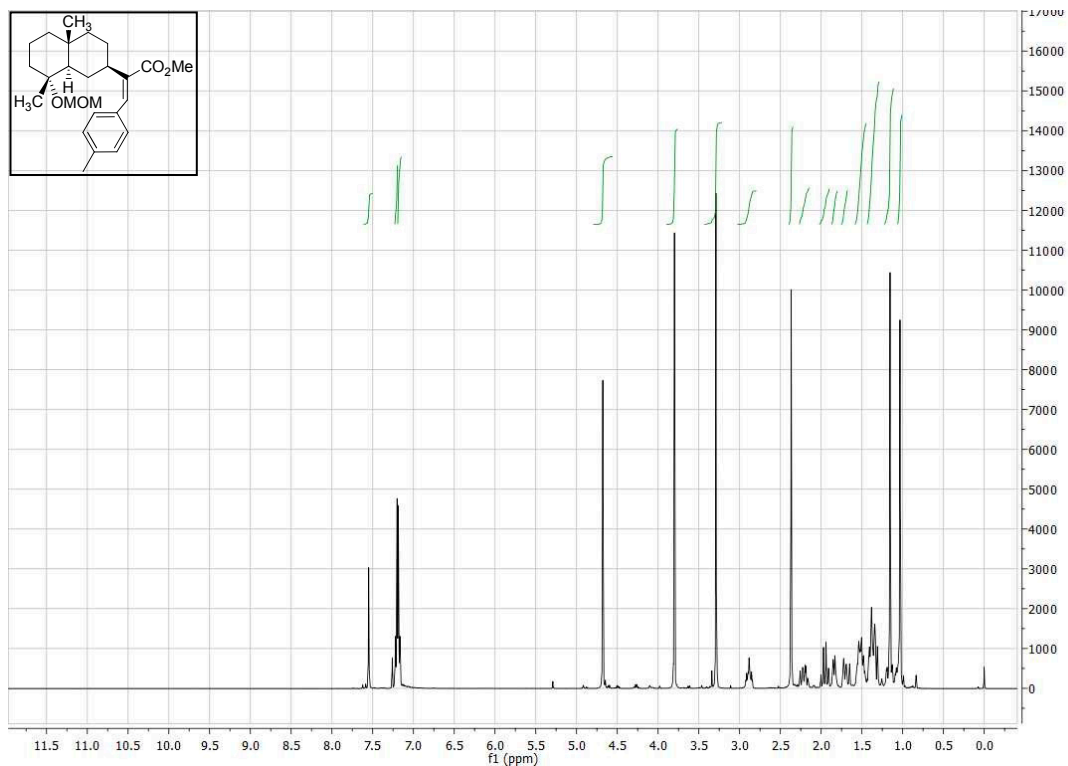
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-phenylprop-2-enoate (4a)



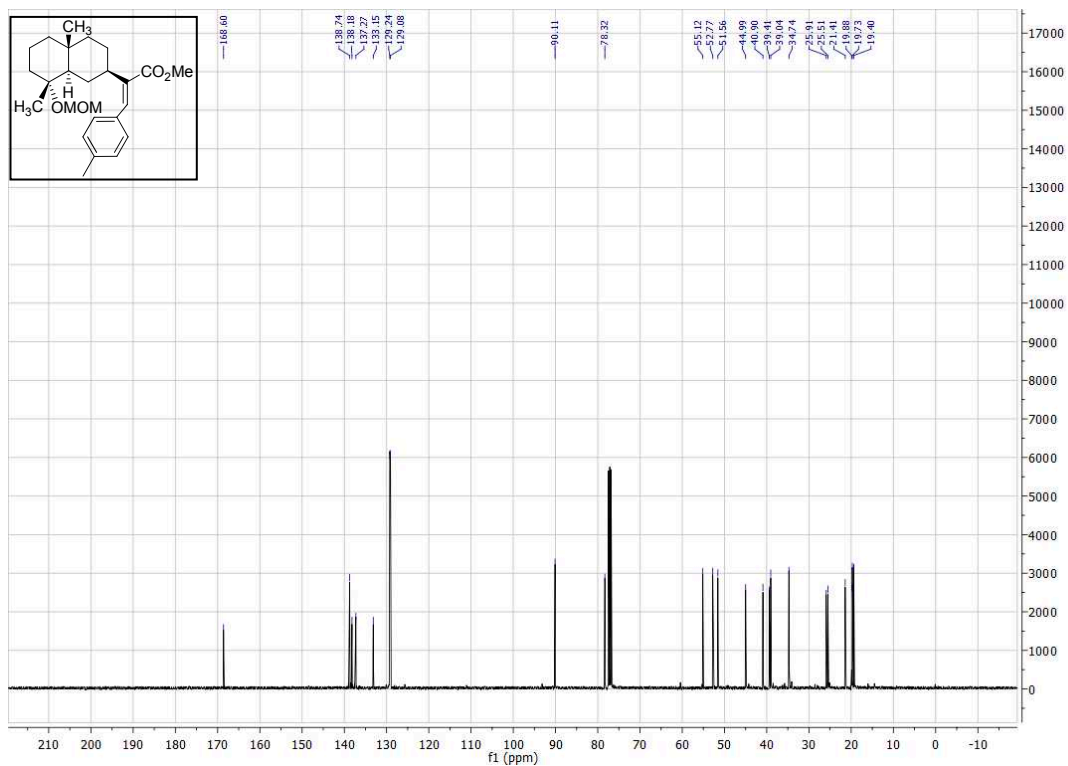
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-phenylprop-2-enoate (4a)



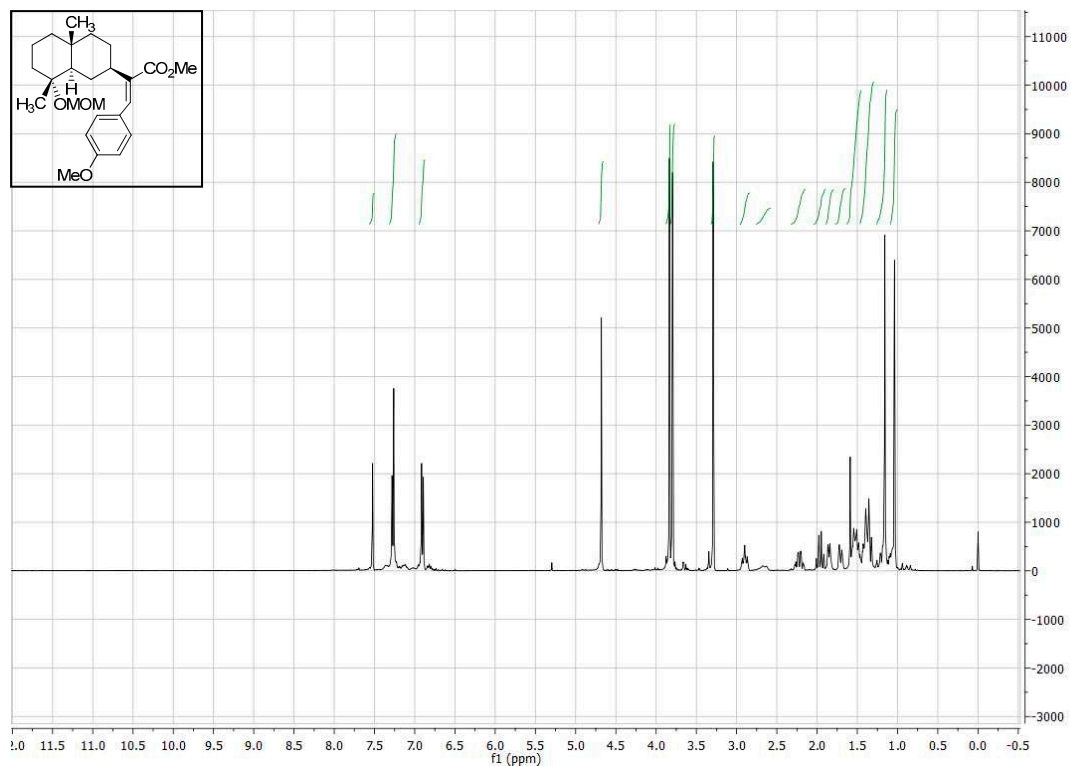
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (4b)



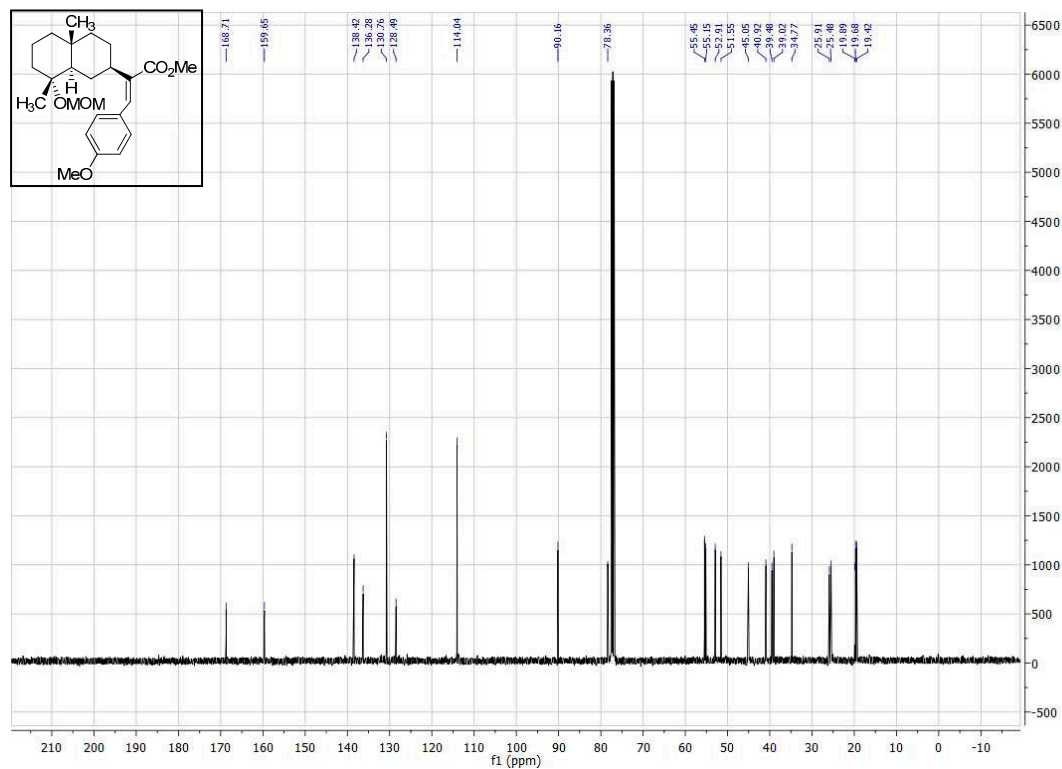
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (4b)



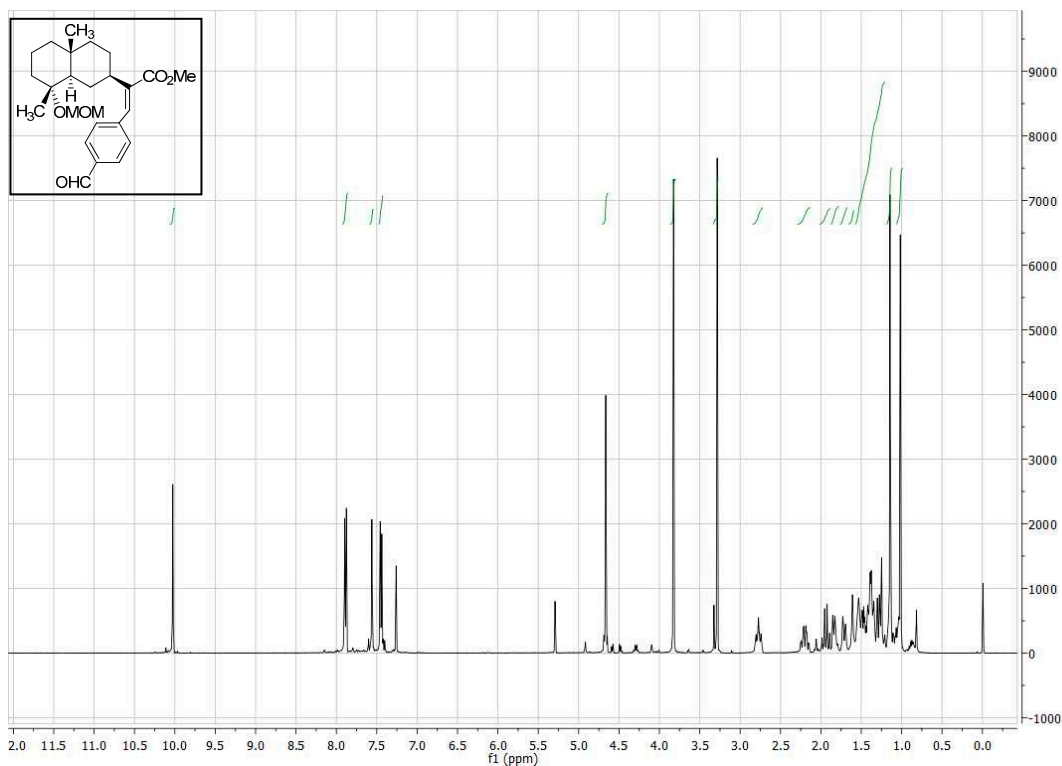
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methoxyphenyl)prop-2-enoate (4c)



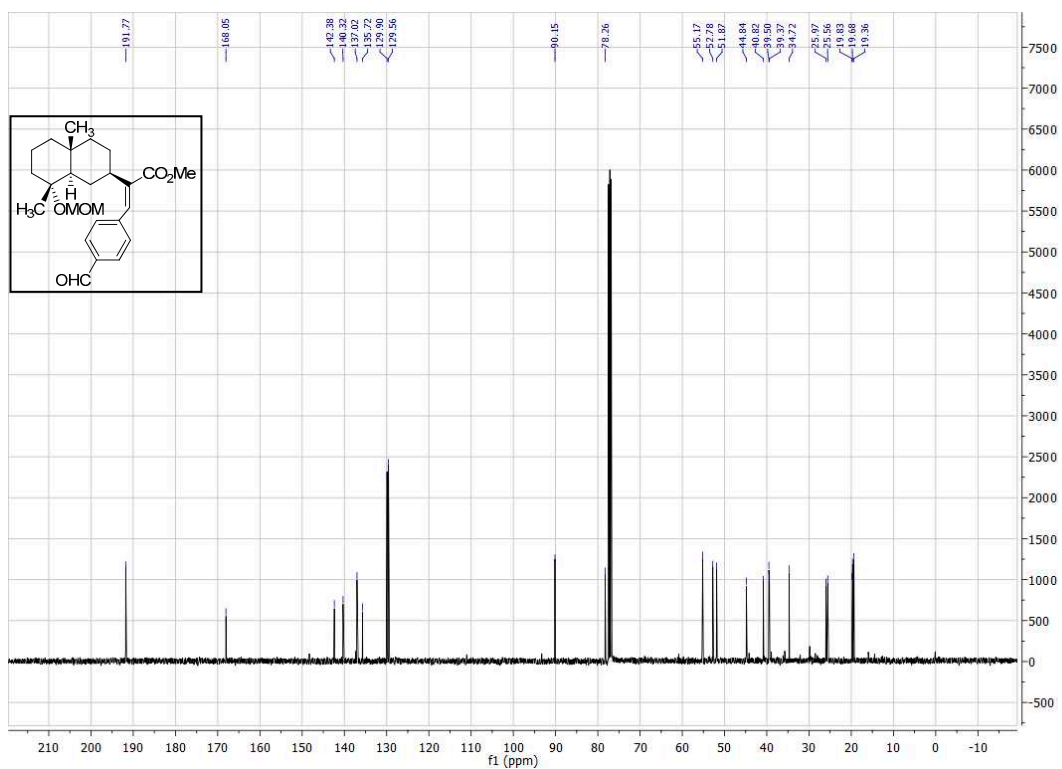
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methoxyphenyl)prop-2-enoate (4c)



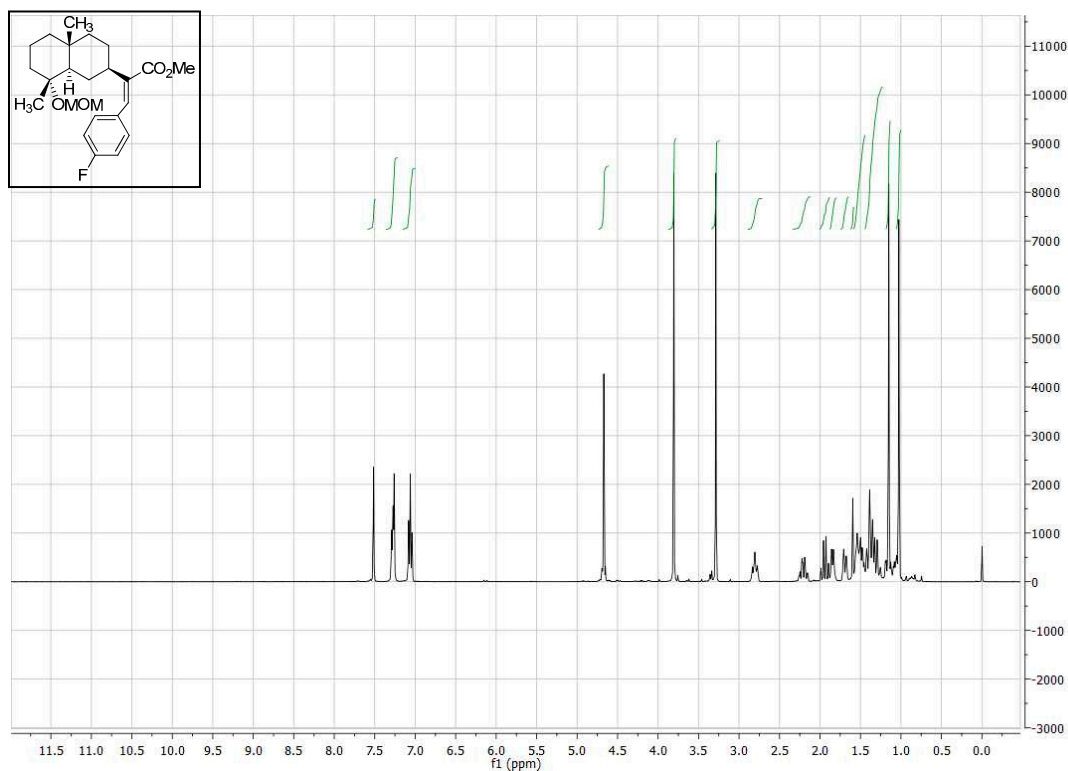
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-formylphenyl)prop-2-enoate (4d)



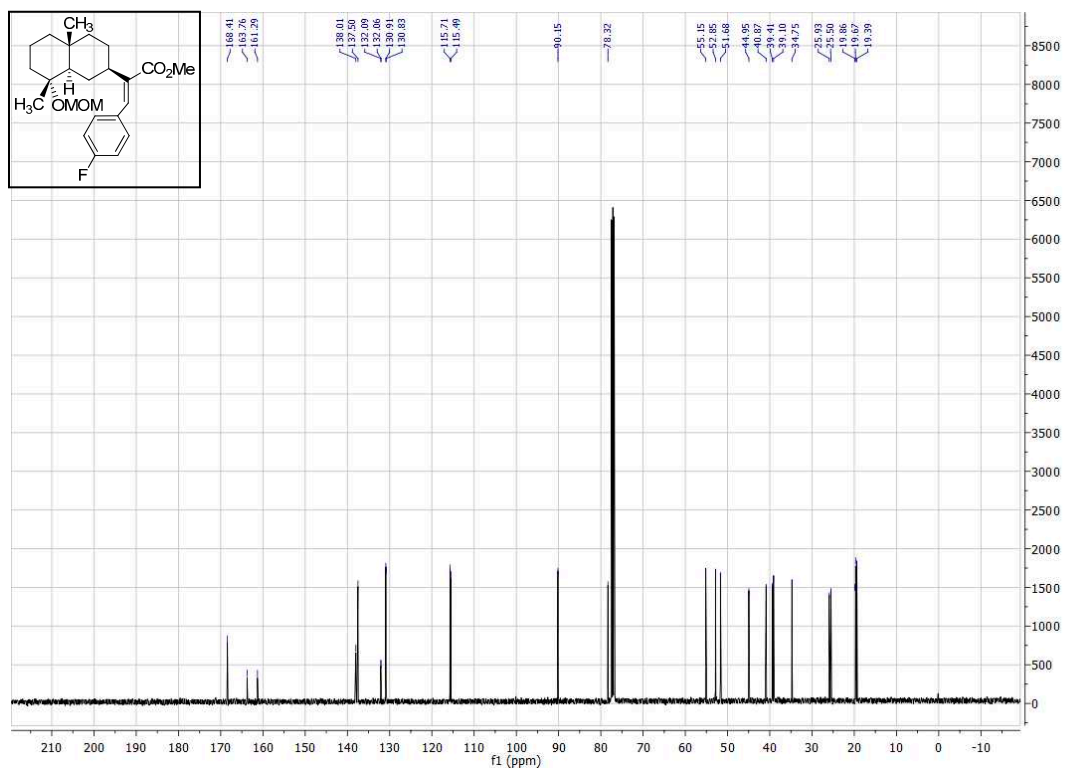
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-formylphenyl)prop-2-enoate (4d)



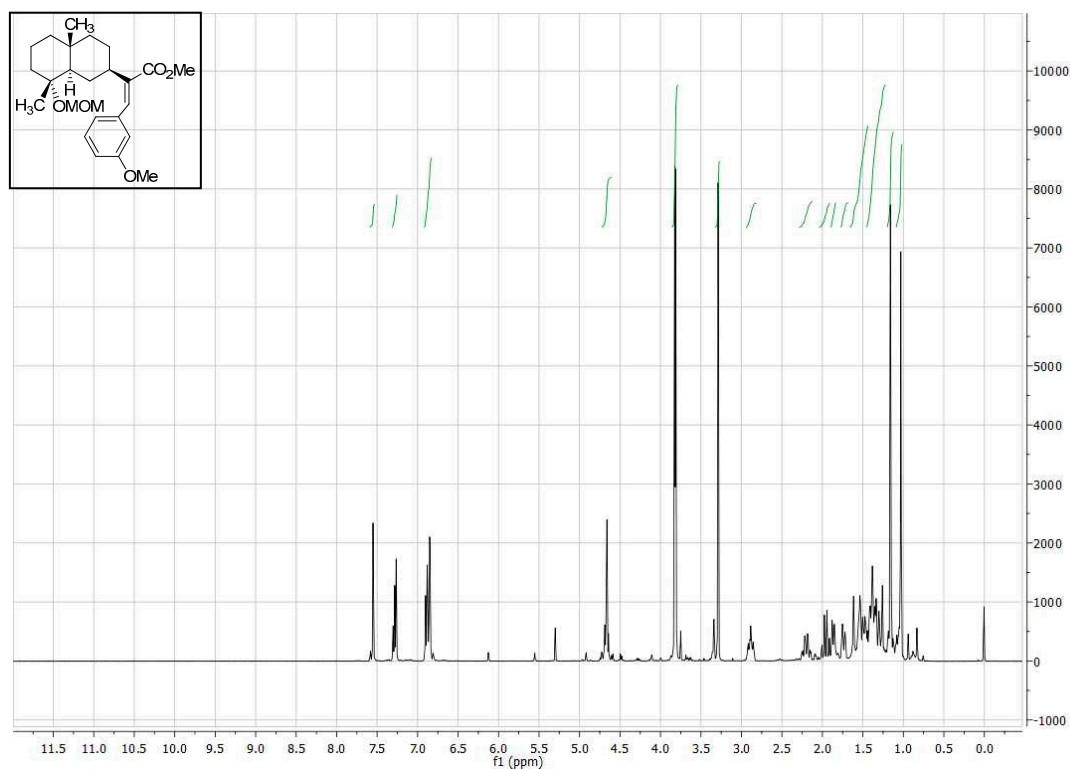
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-fluorophenyl)prop-2-enoate (4e)



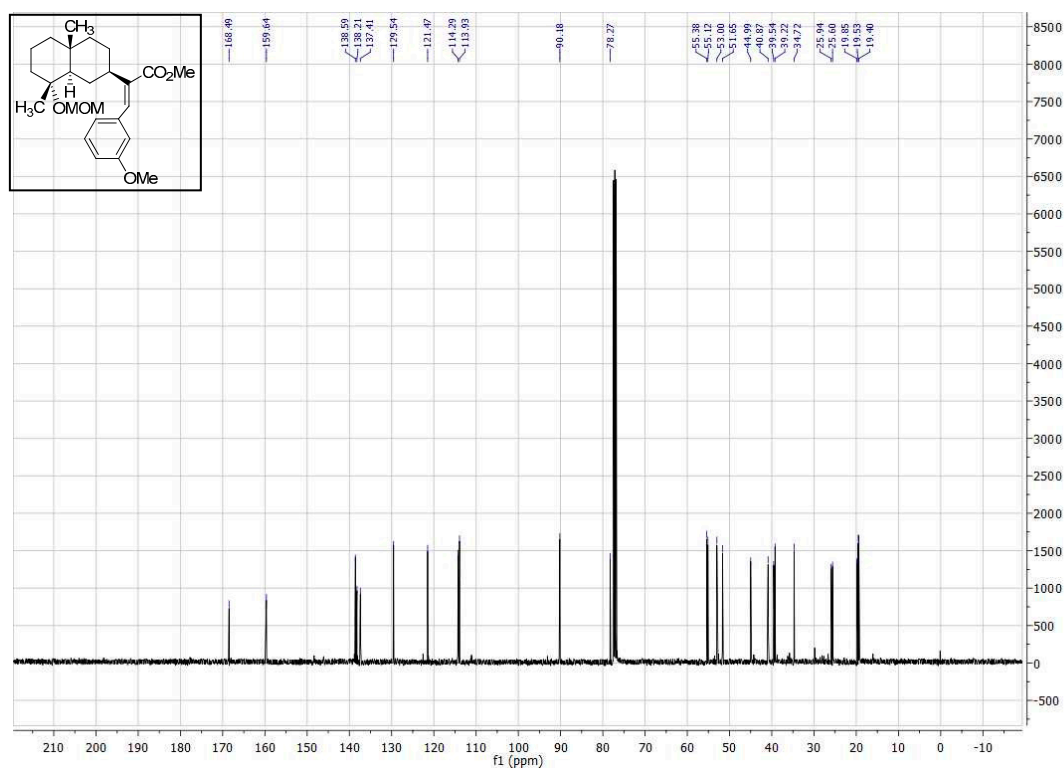
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-fluorophenyl)prop-2-enoate (4e)



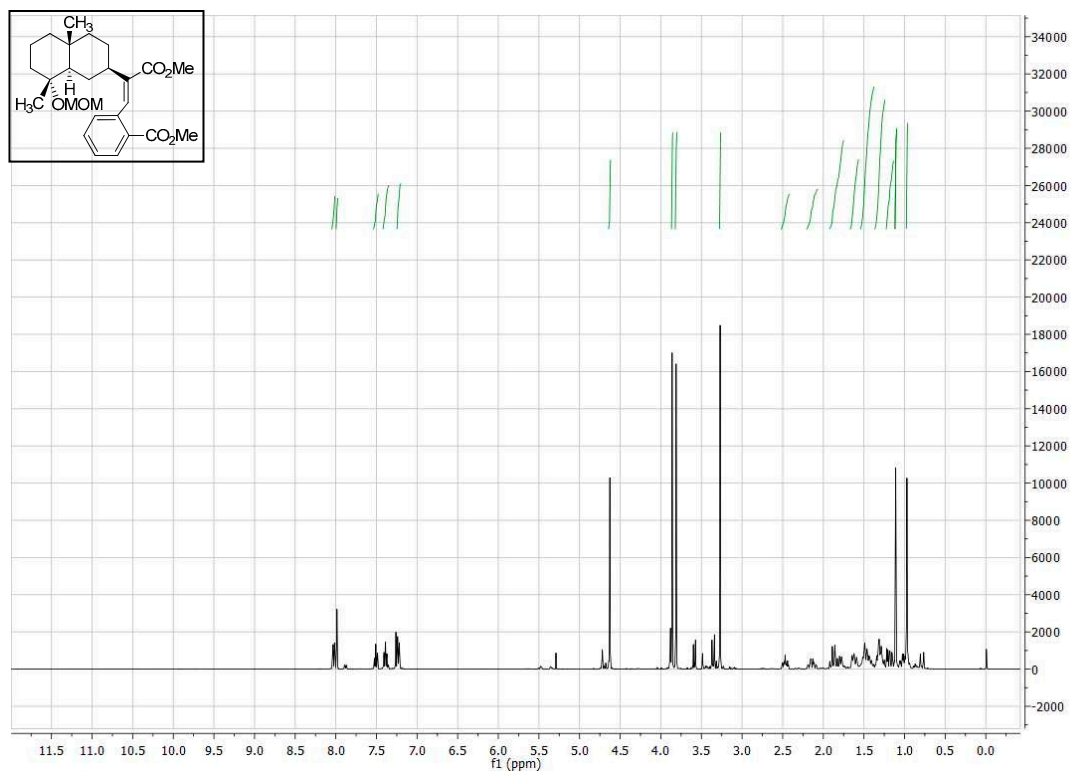
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(3-methoxyphenyl)prop-2-enoate (4f)



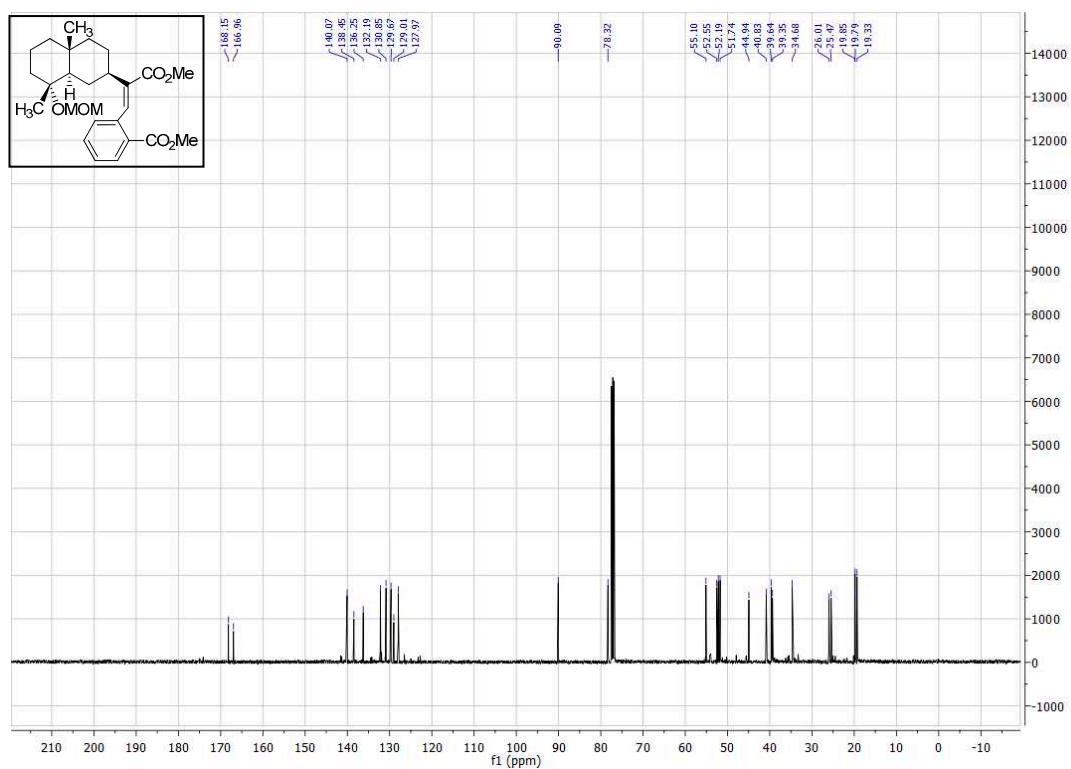
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(3-methoxyphenyl)prop-2-enoate (4f)



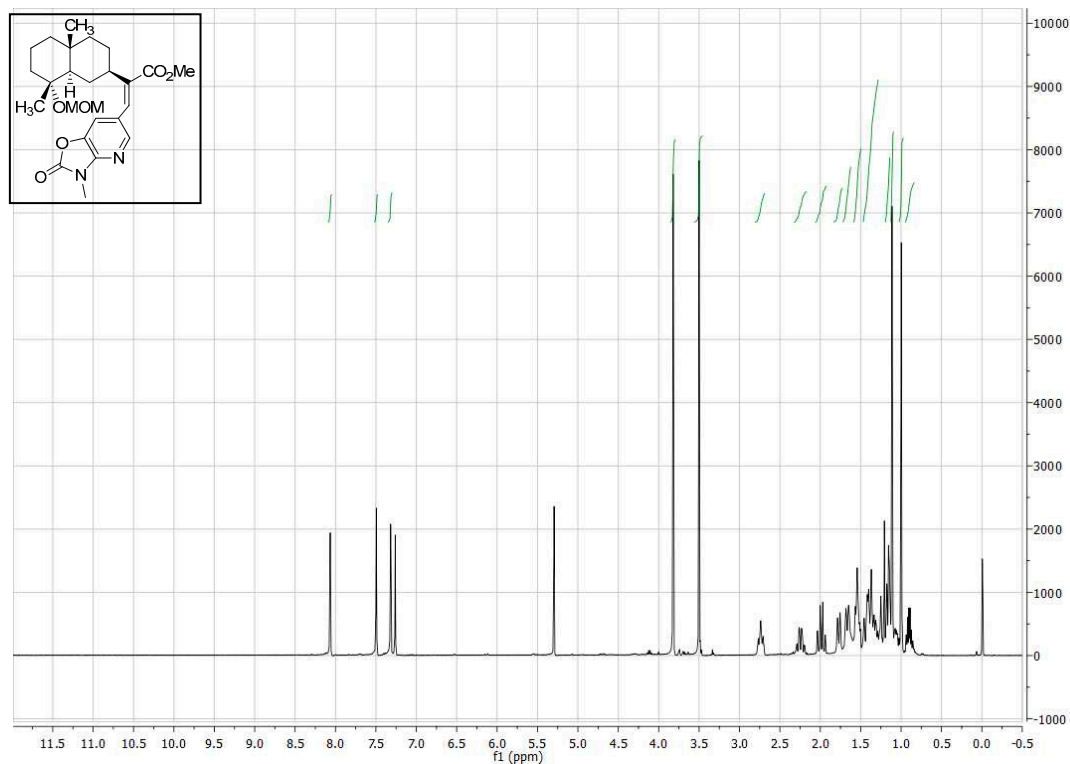
¹H NMR spectrum of methyl 2-[(1E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-methoxy-3-oxoprop-1-en-1-yl]benzoate (4h)



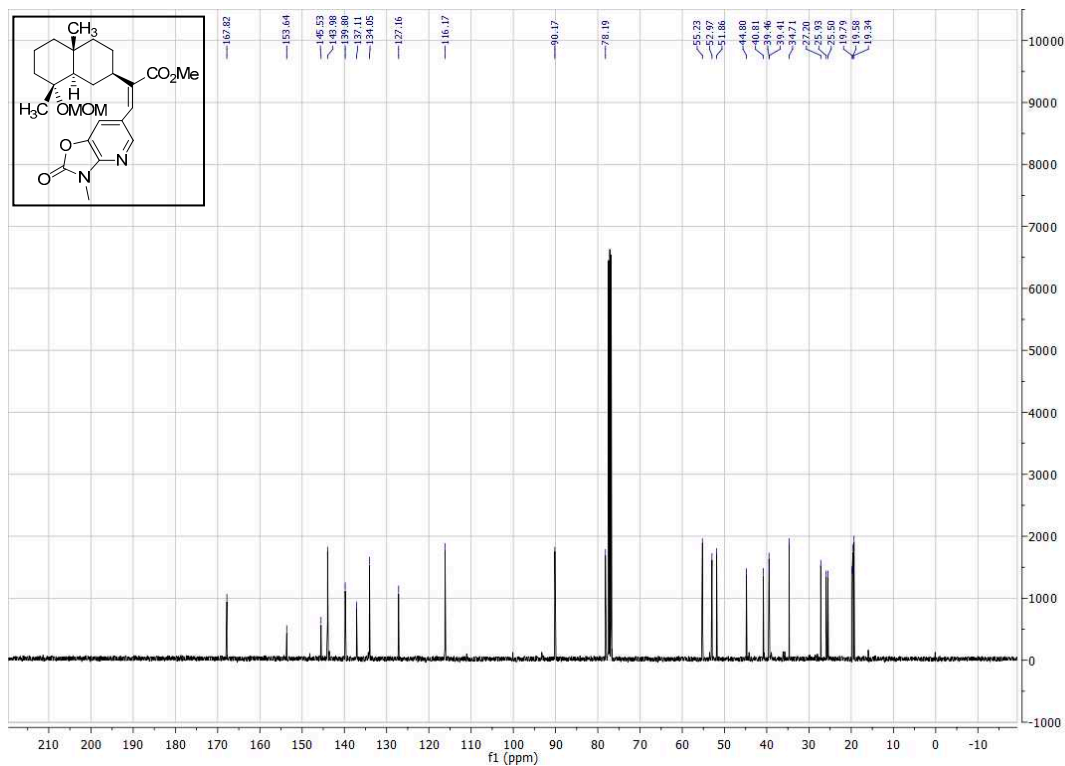
¹³C NMR spectrum of methyl 2-[(1E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-methoxy-3-oxoprop-1-en-1-yl]benzoate (4h)



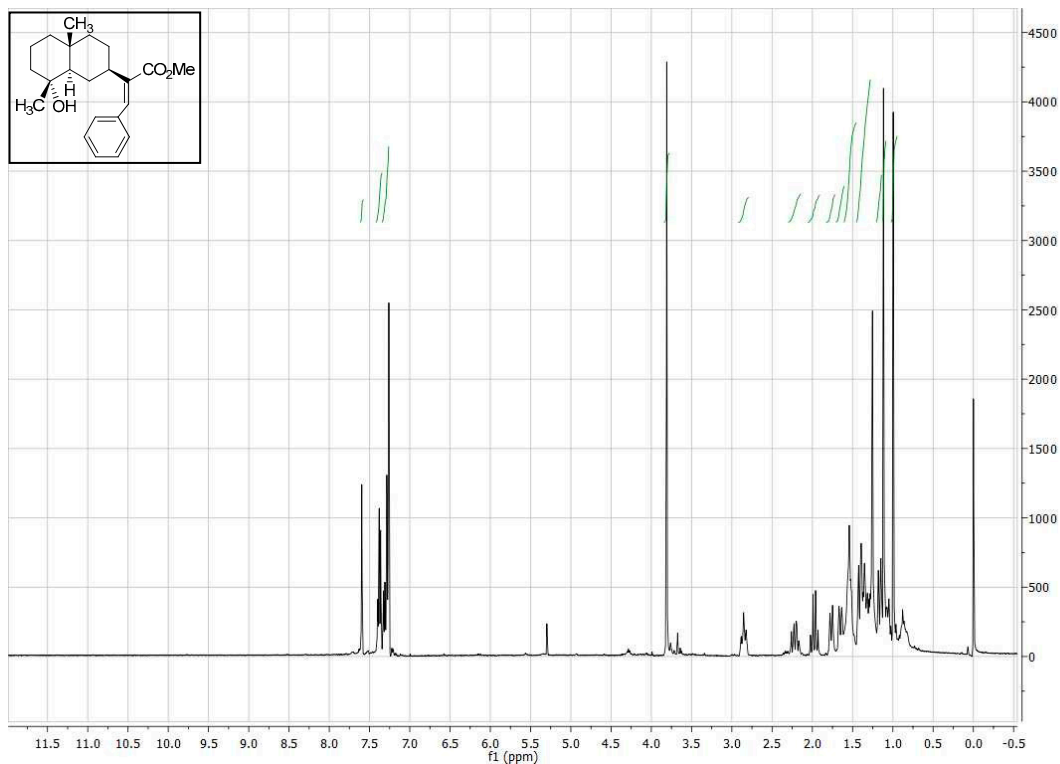
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-{3-methyl-2-oxo-2H,3H-[1,3-oxazolo[4,5-b]pyridine-6-yl}prop-2-enoate (4i)



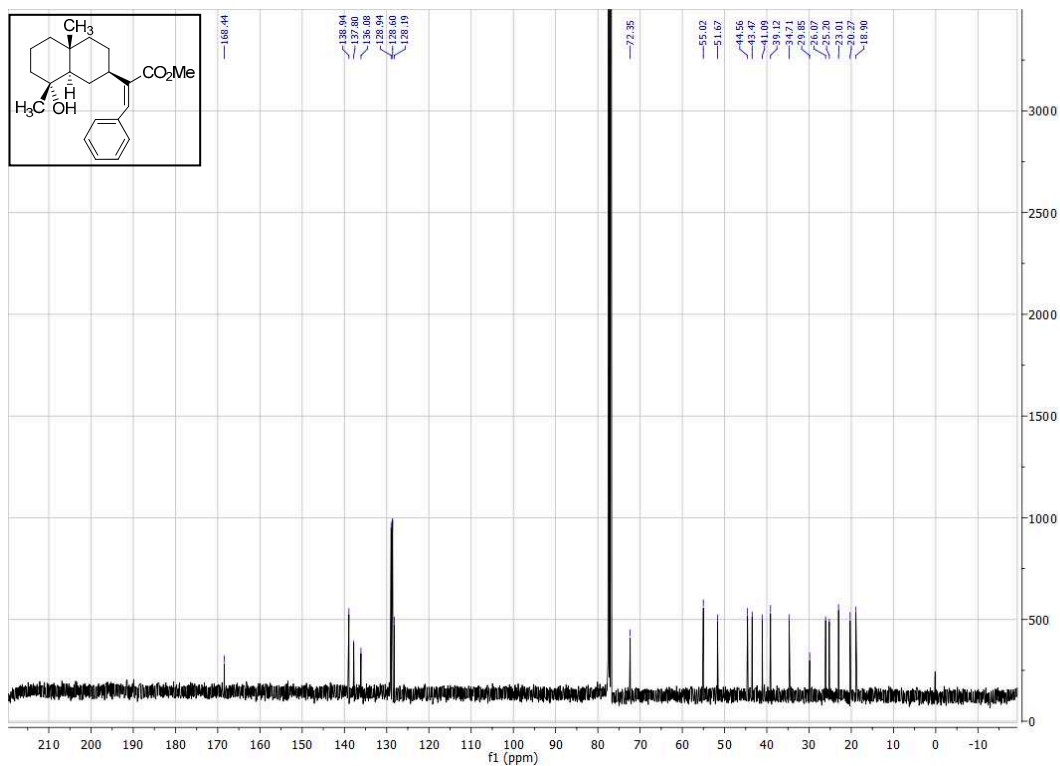
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-(methoxymethoxy)-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-{3-methyl-2-oxo-2H,3H-[1,3-oxazolo[4,5-b]pyridine-6-yl}prop-2-enoate (4i)



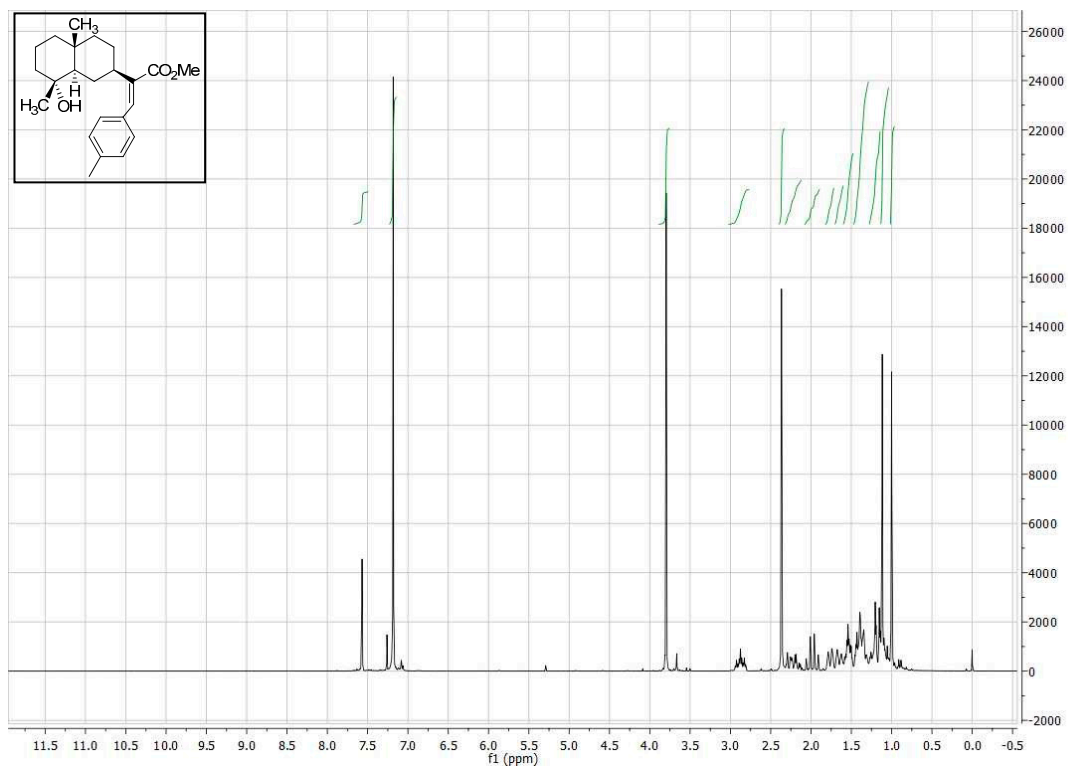
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-phenylprop-2-enoate (5a)



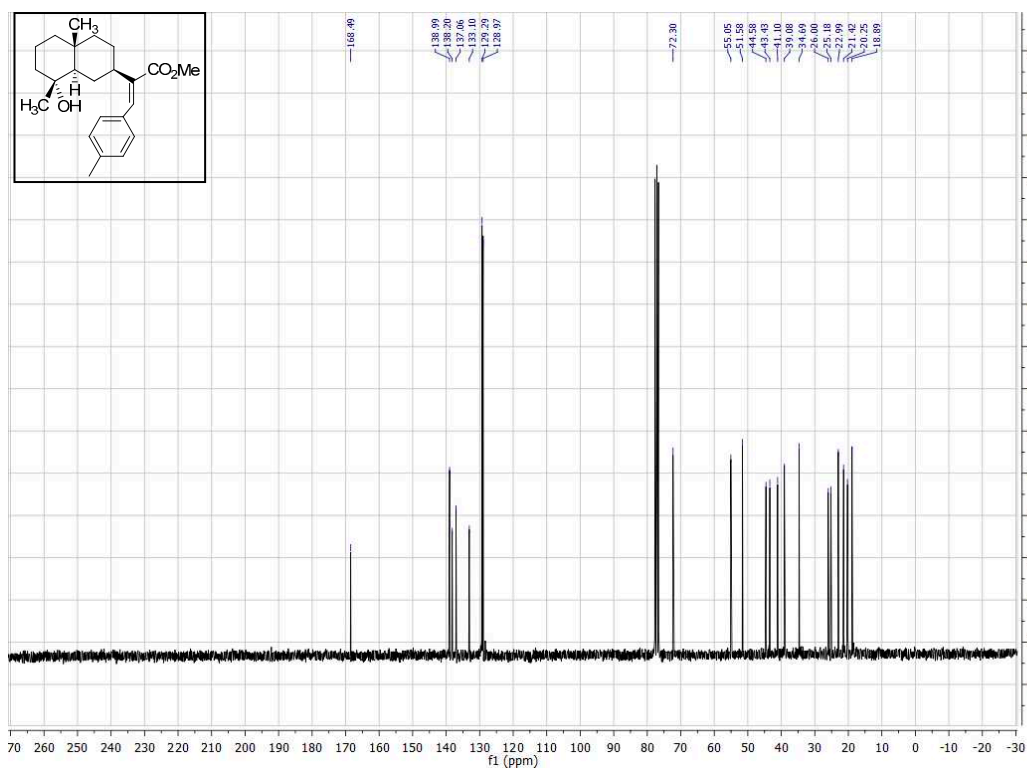
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-phenylprop-2-enoate (5a)



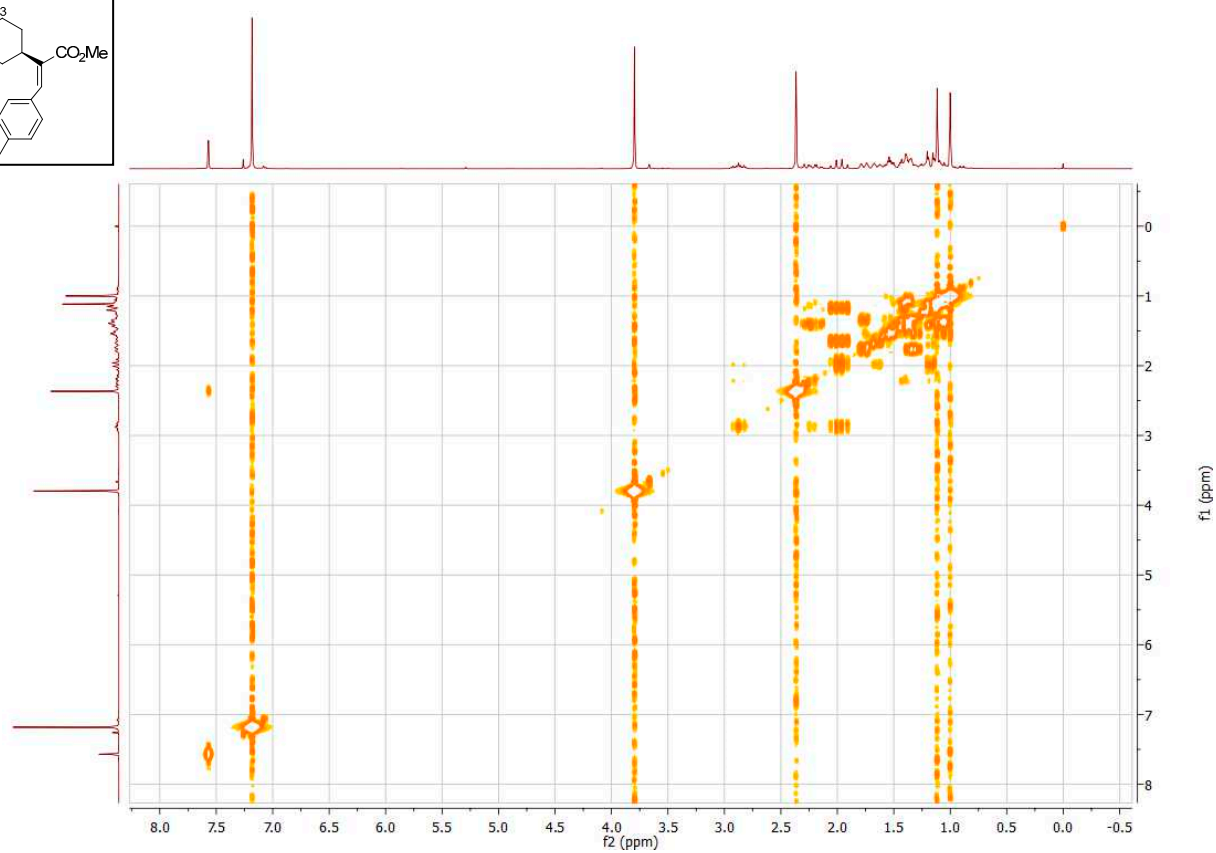
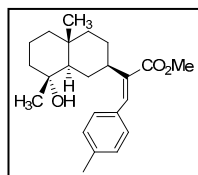
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (5b)



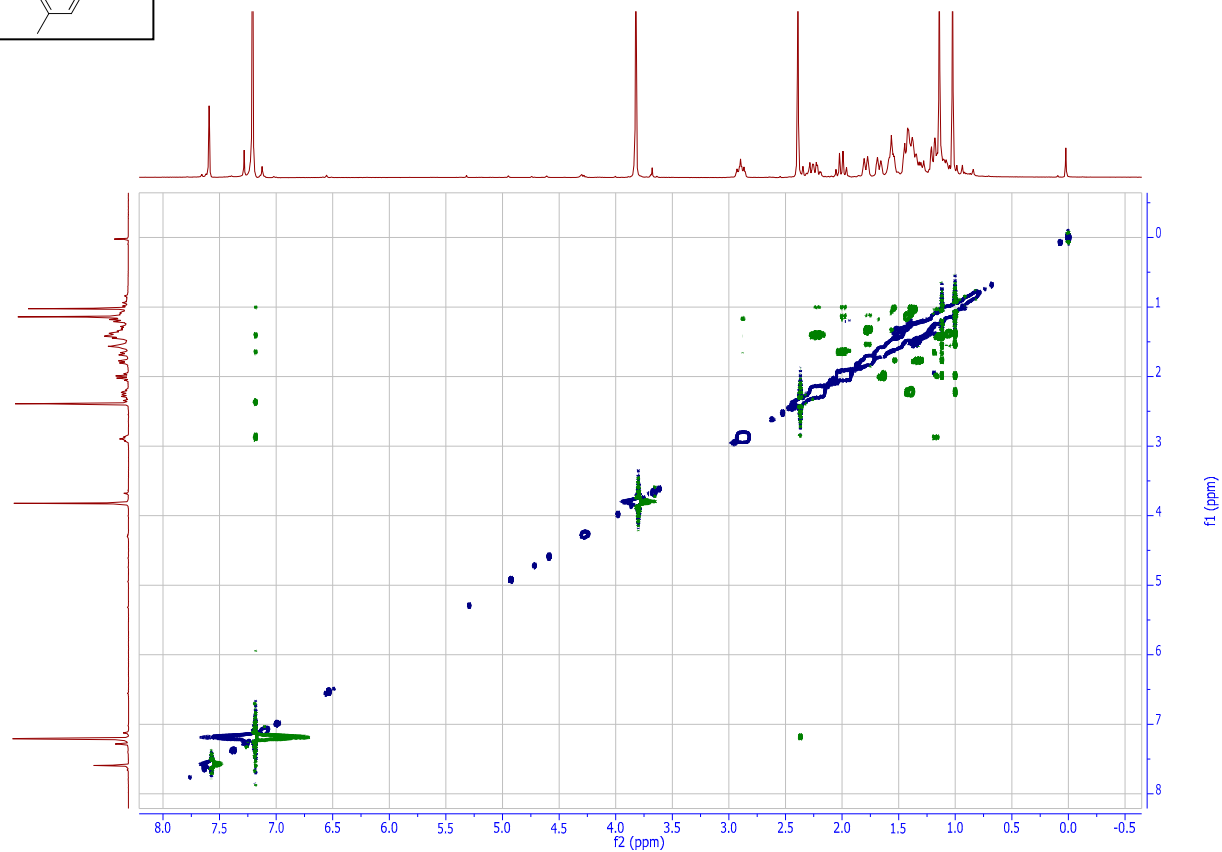
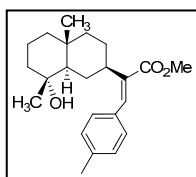
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (5b)



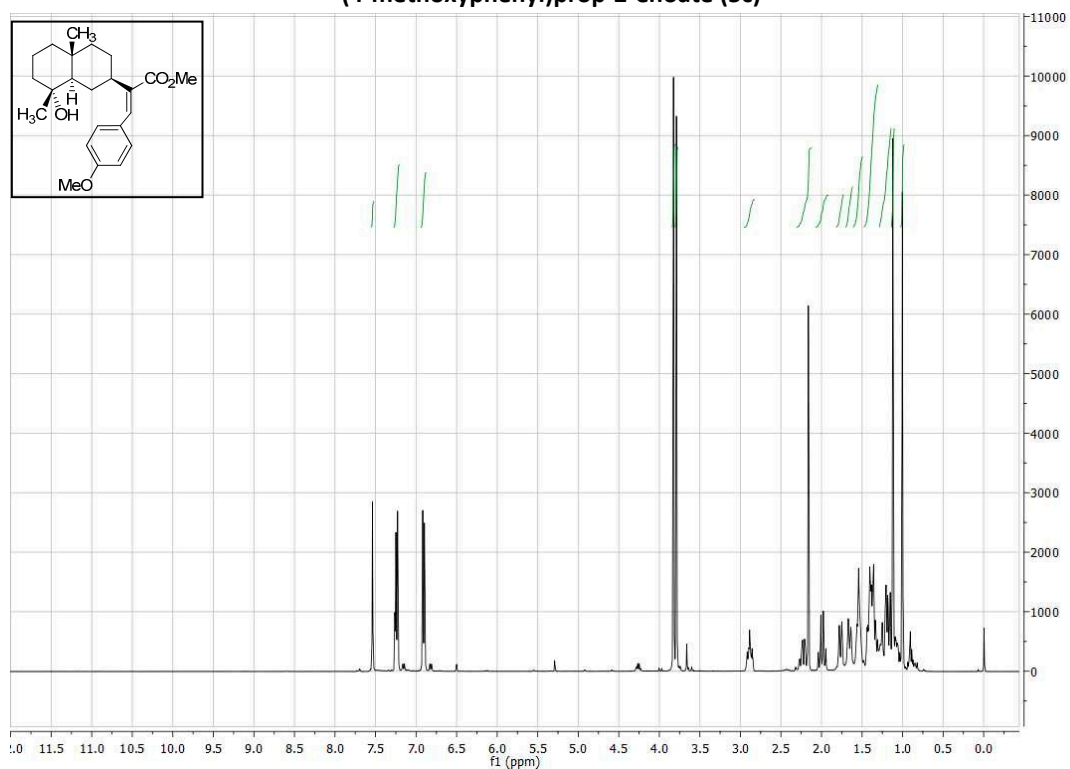
COSY NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (5b)



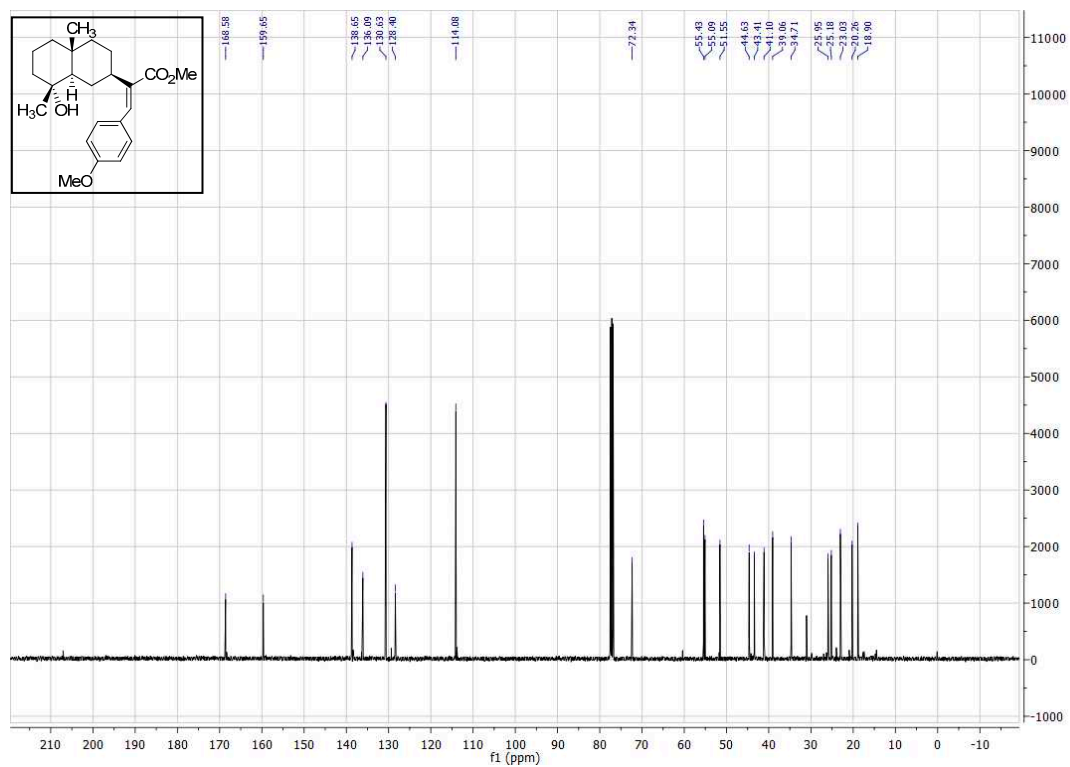
NOESY NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (5b)



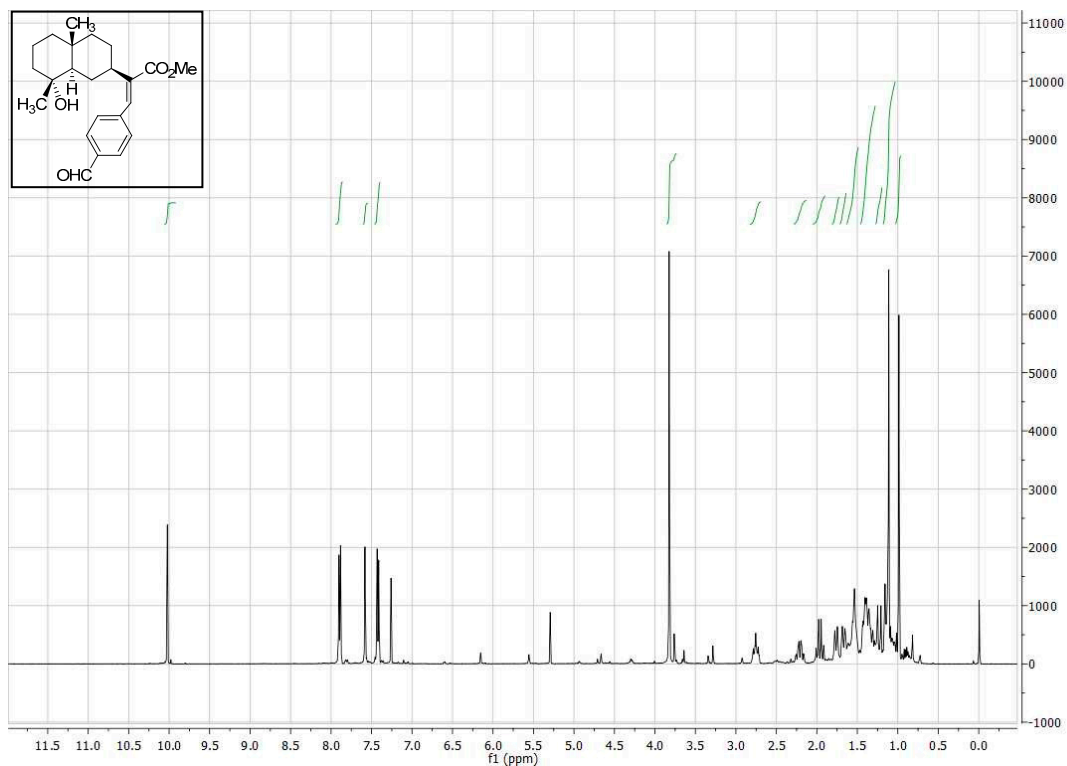
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methoxyphenyl)prop-2-enoate (5c)



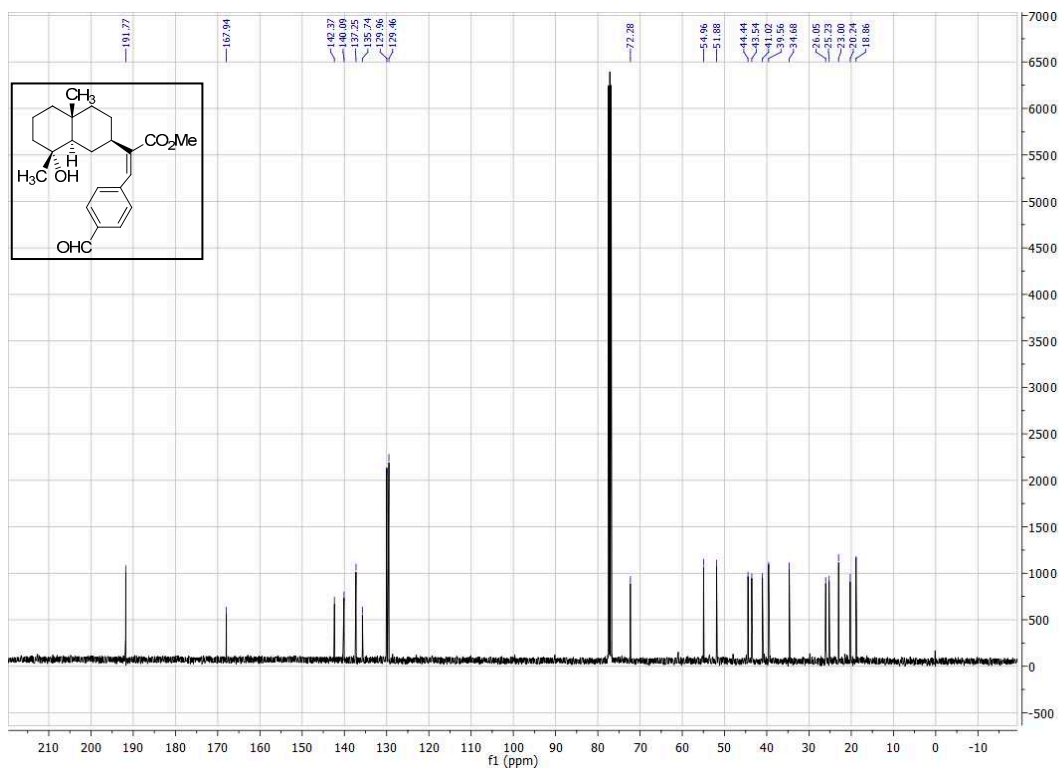
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-methoxyphenyl)prop-2-enoate (5c)



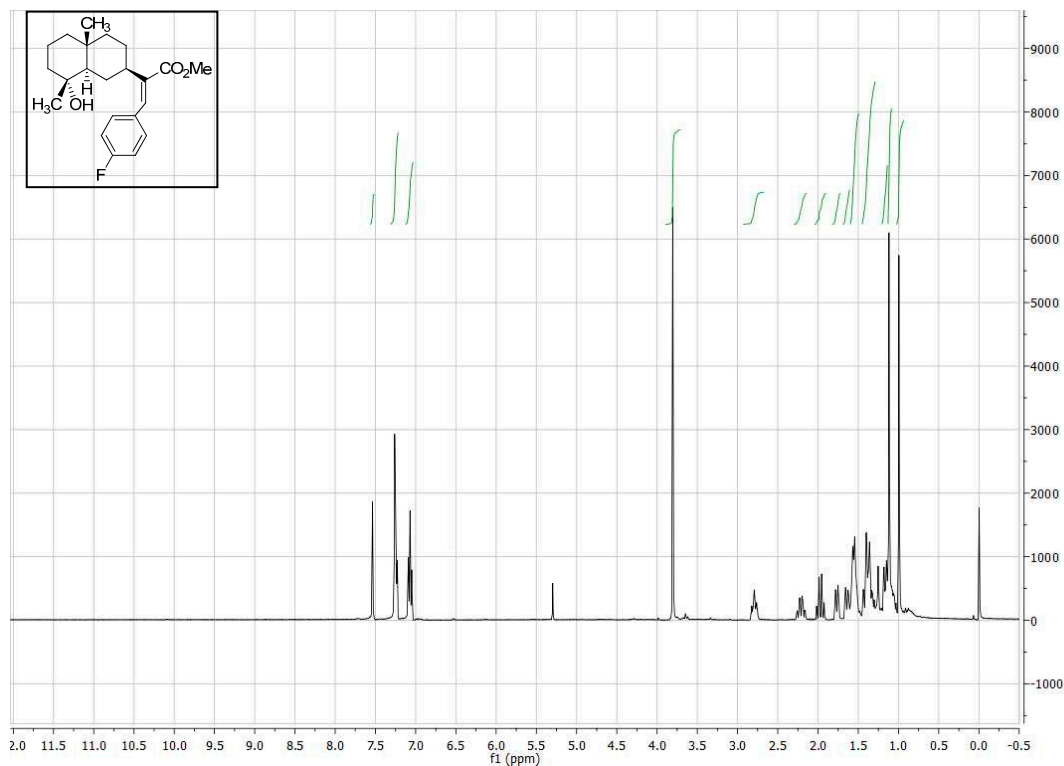
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-formylphenyl)prop-2-enoate (5d)



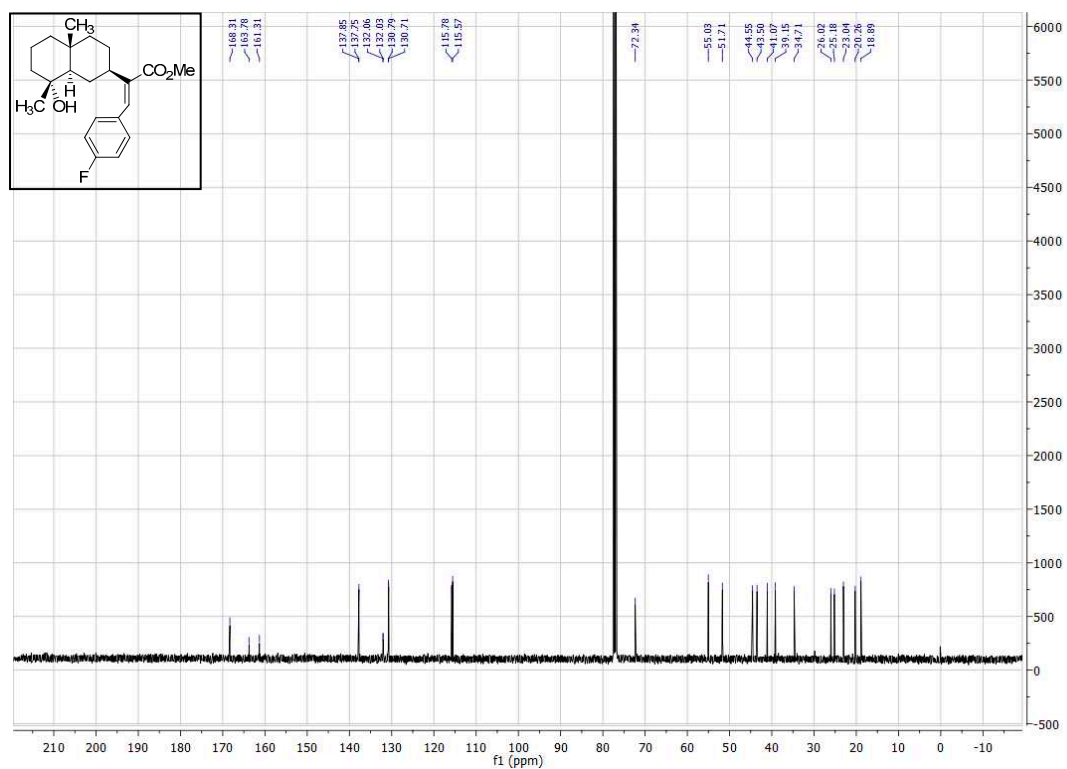
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-formylphenyl)prop-2-enoate (5d)



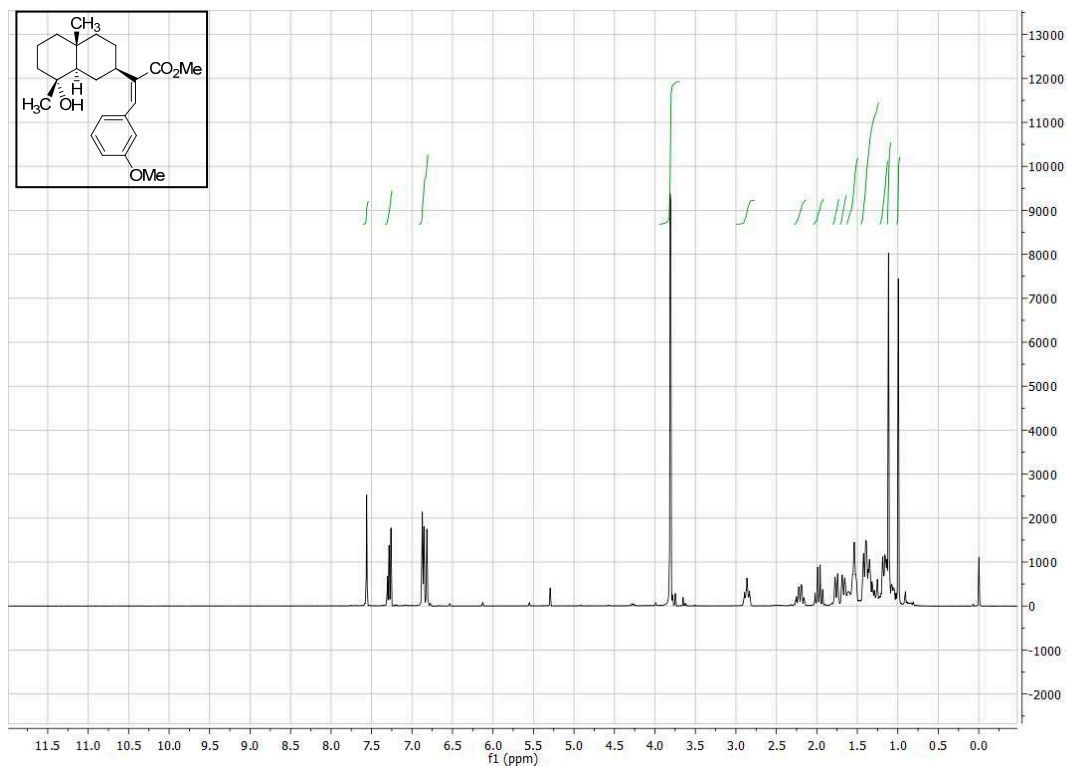
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-fluorophenyl)prop-2-enoate (5e)



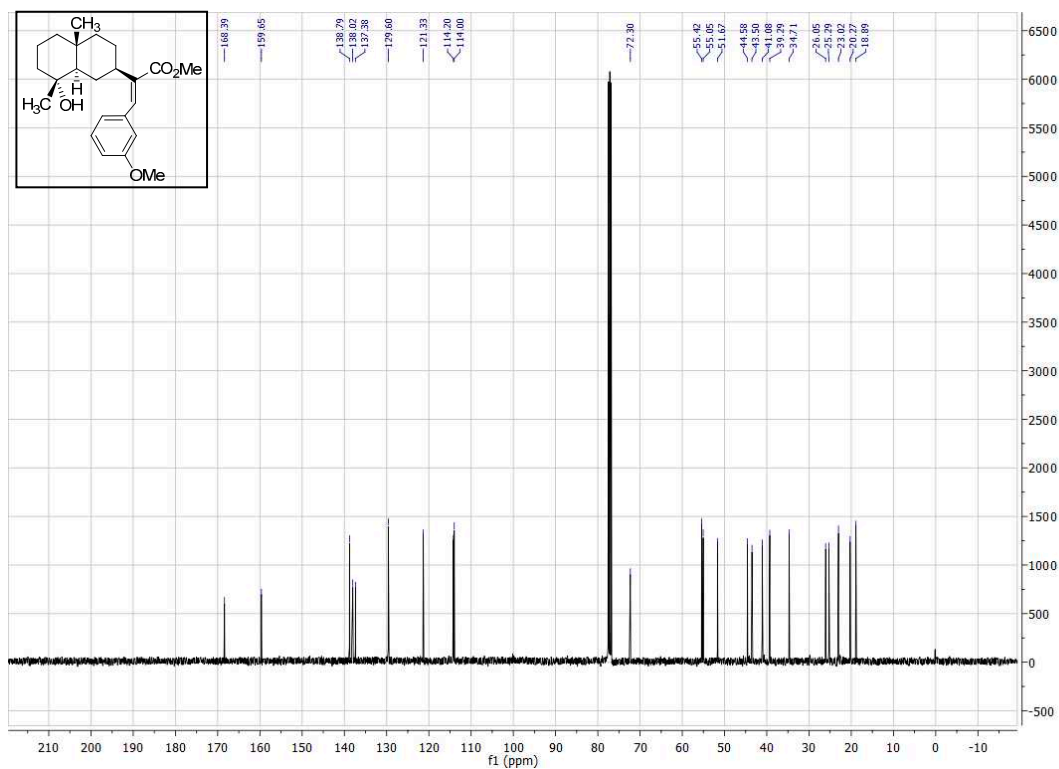
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(4-fluorophenyl)prop-2-enoate (5e)



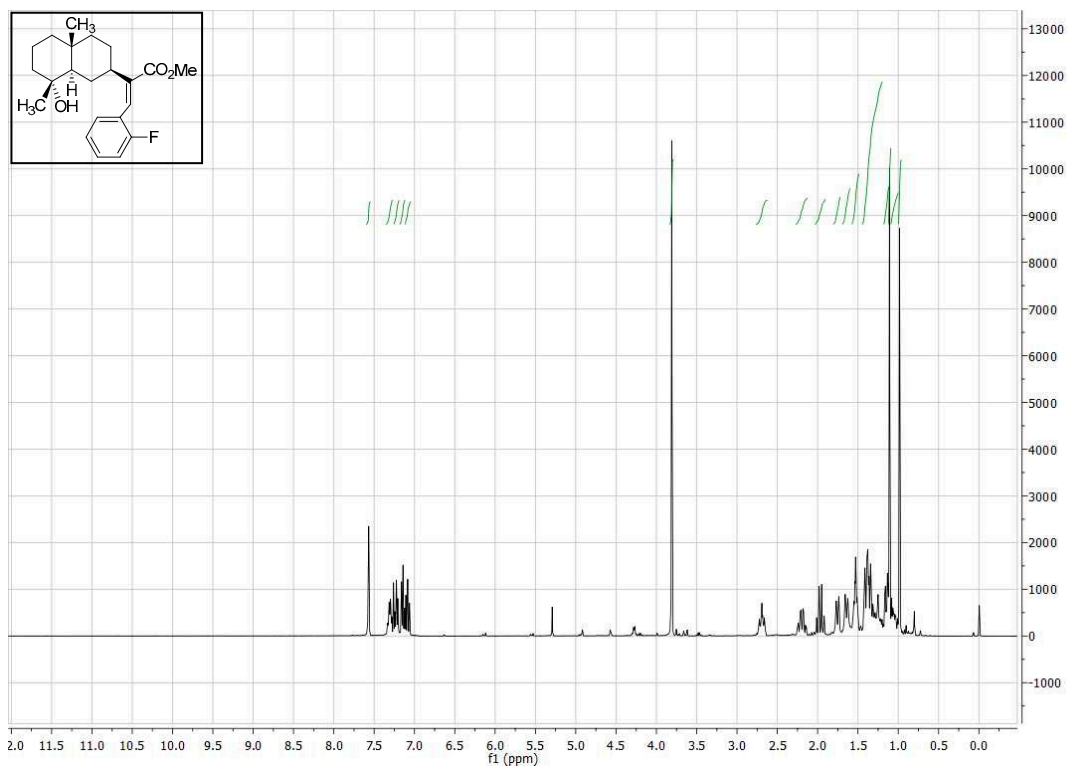
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(3-methoxyphenyl)prop-2-enoate (5f)



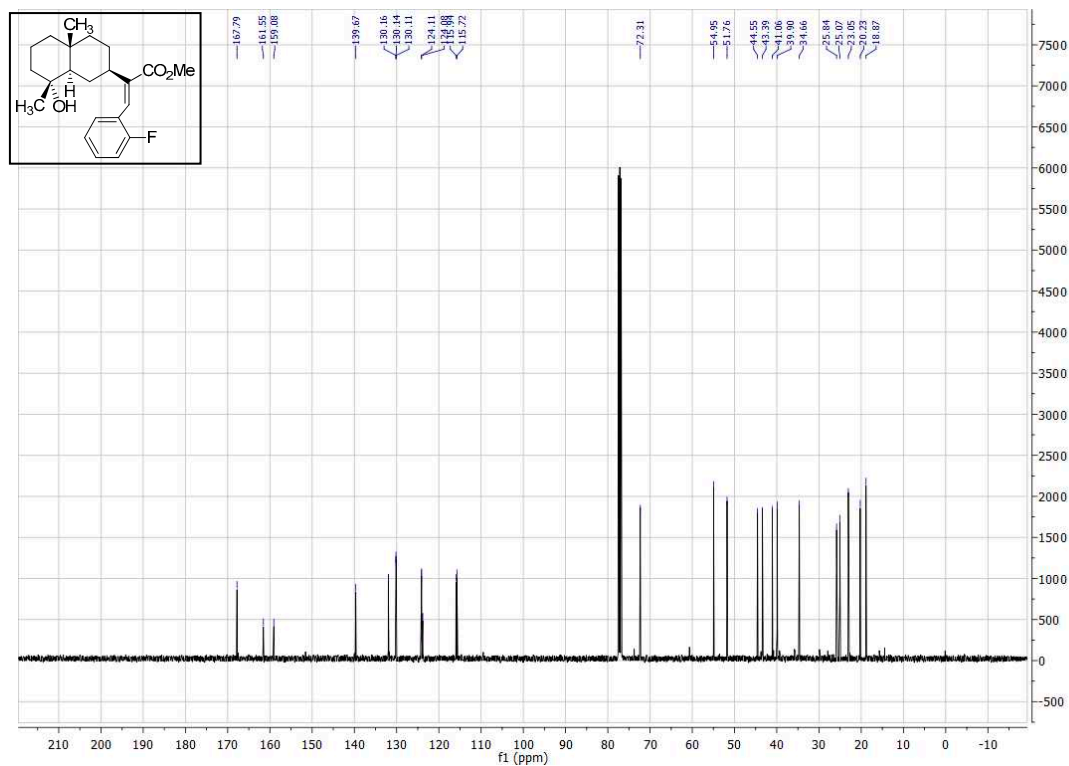
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(3-methoxyphenyl)prop-2-enoate (5f)



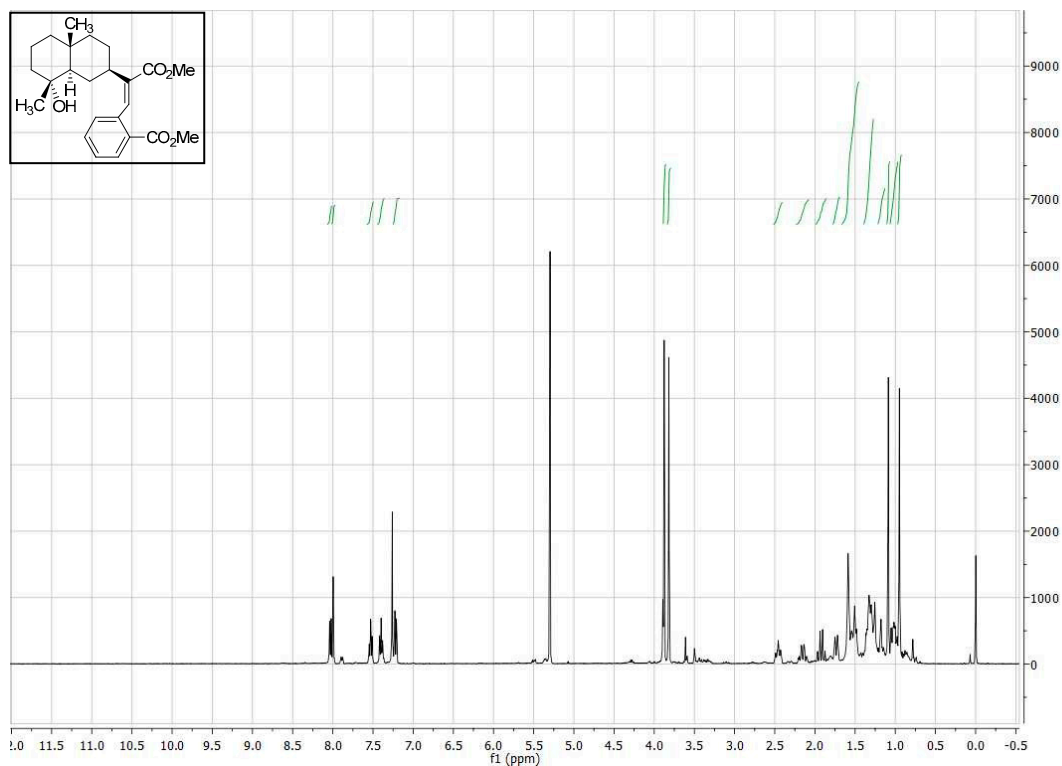
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(2-fluorophenyl)prop-2-enoate (5g)



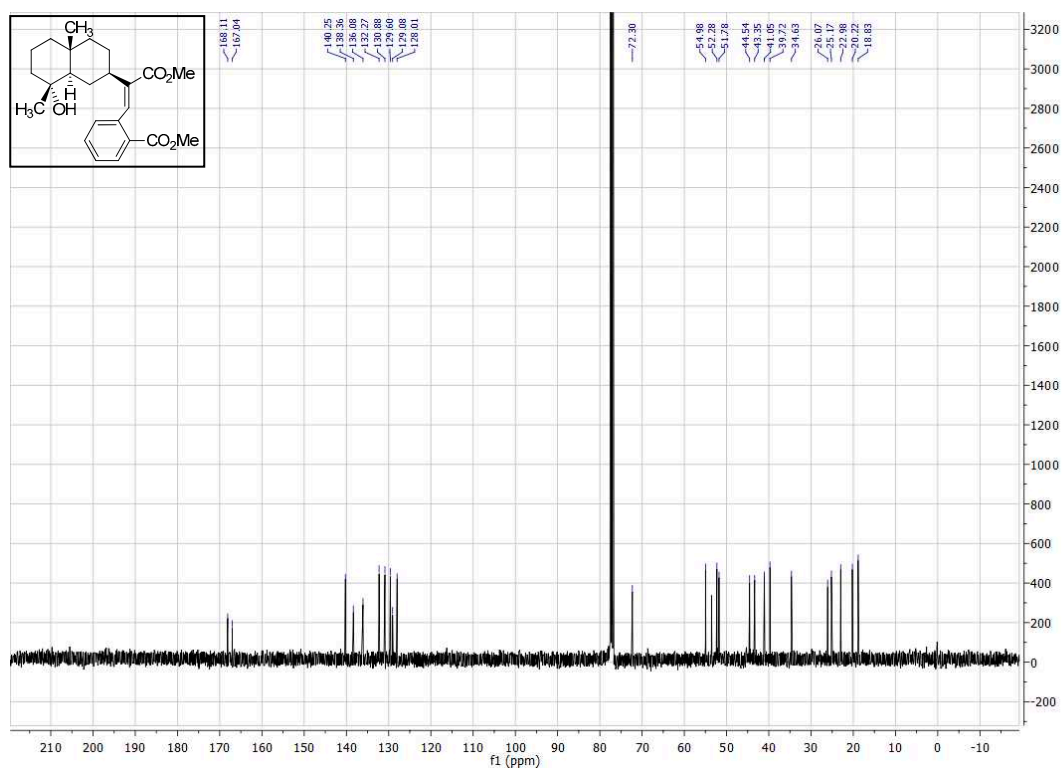
¹³C NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-(2-fluorophenyl)prop-2-enoate (5g)



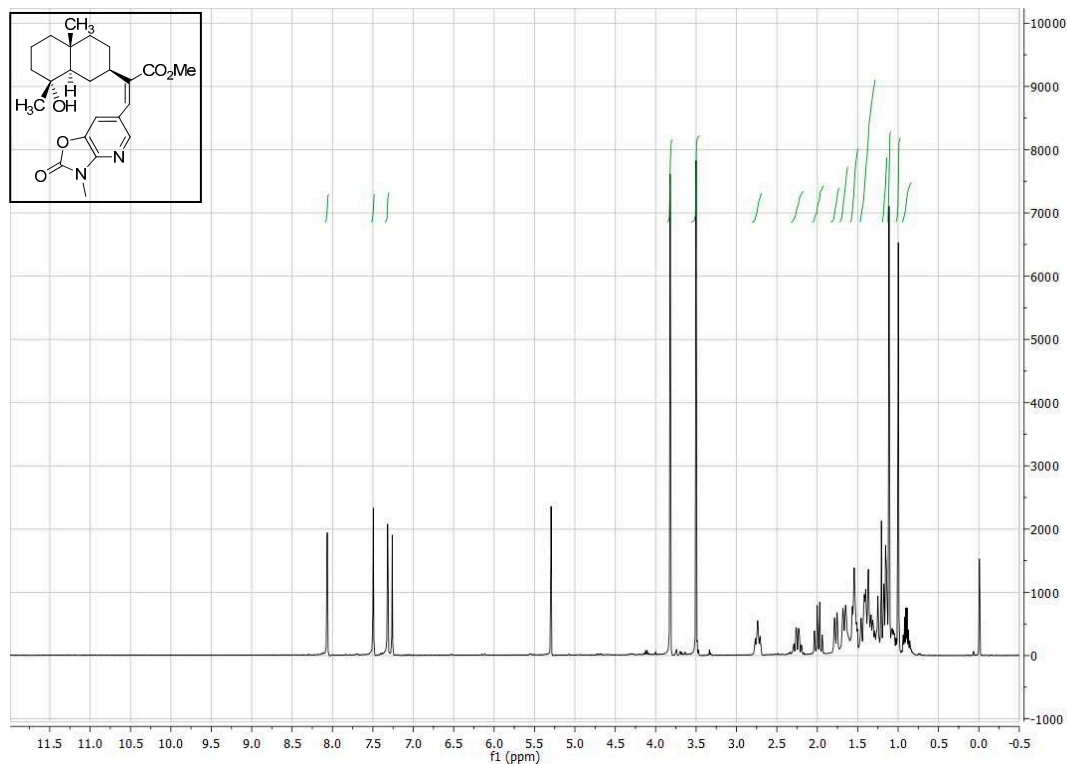
¹H NMR spectrum of methyl 2-[(1E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-methoxy-3-oxoprop-1-en-1-yl]benzoate (5h)



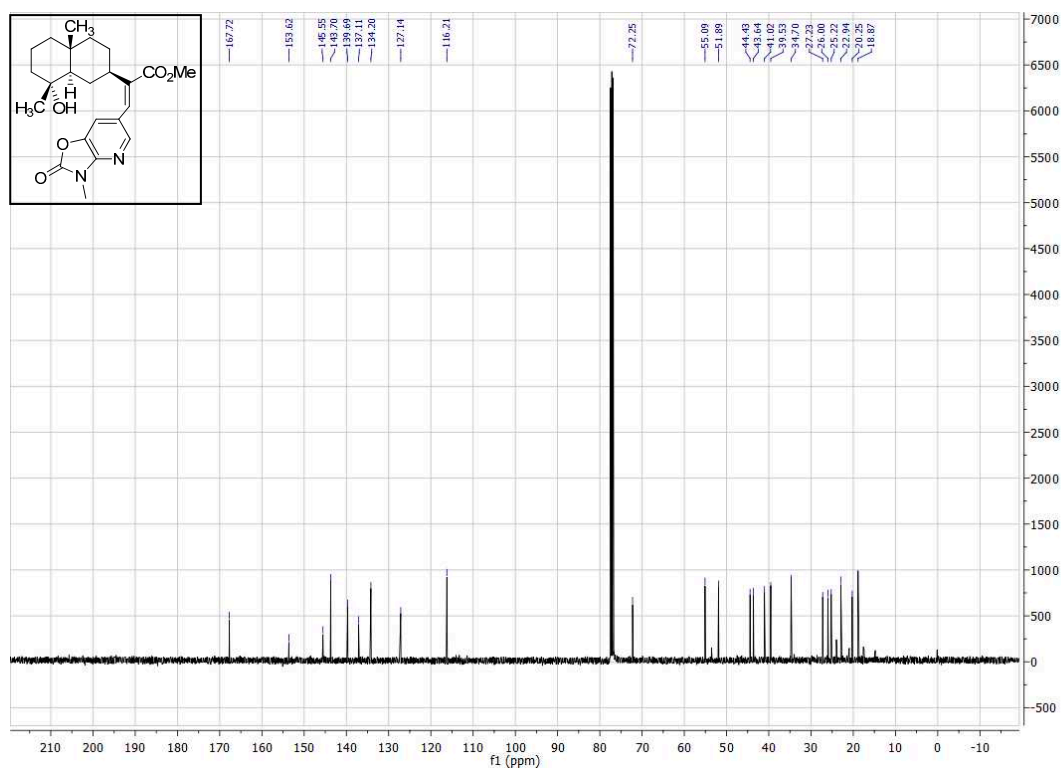
¹³C NMR spectrum of methyl 2-[(1E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-methoxy-3-oxoprop-1-en-1-yl]benzoate (5h)



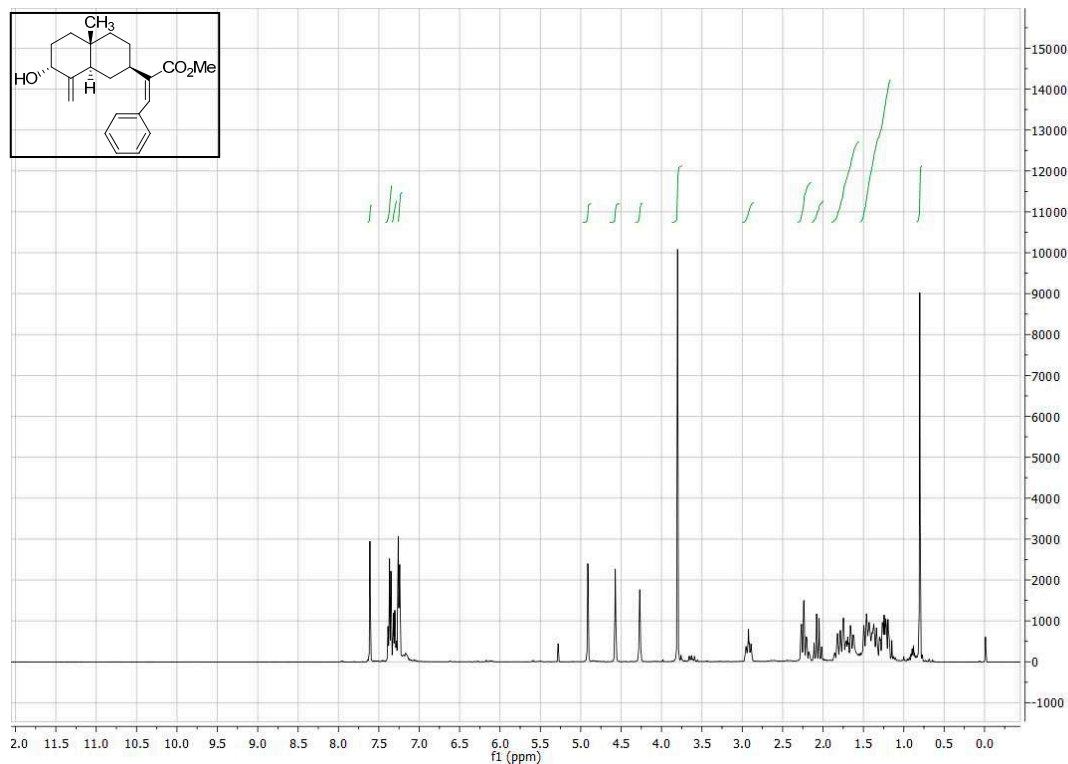
¹H NMR spectrum of methyl (2E)-2-[(2R,4aR,8R,8aR)-8-hydroxy-4a,8-dimethyl-decahydronaphthalen-2-yl]-3-{3-methyl-2-oxo-2H,3H-[1,3oxazolo[4,5-b]pyridine-6-yl}prop-2-enoate (5i)



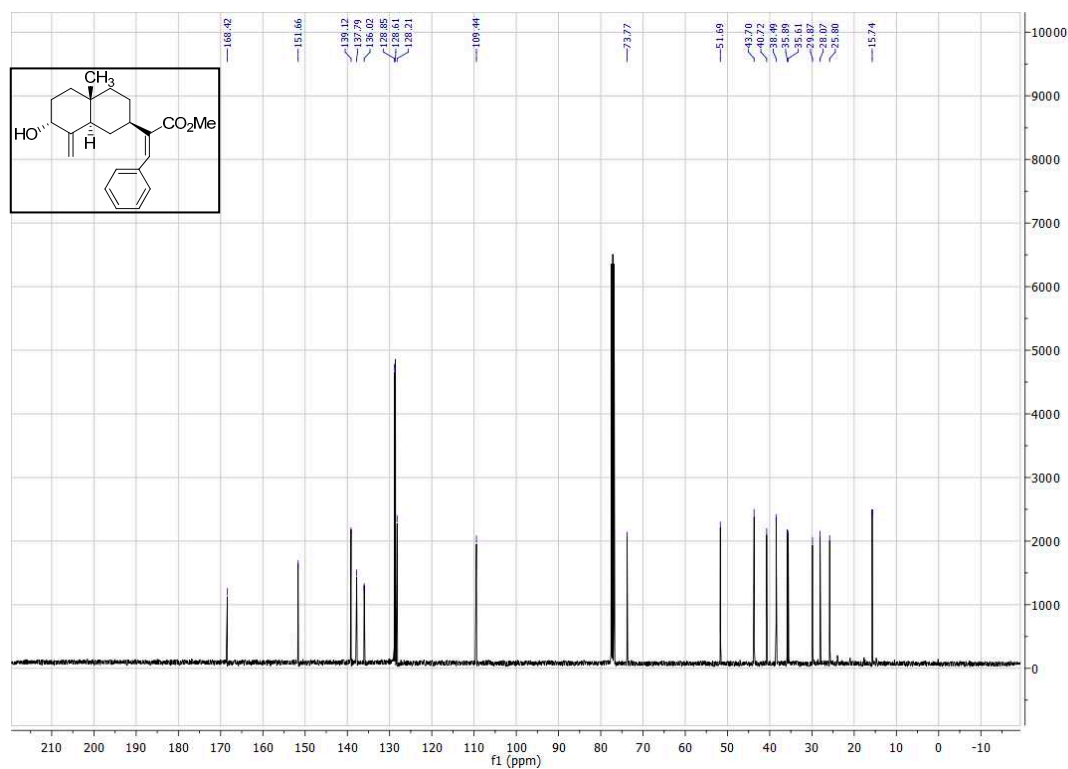
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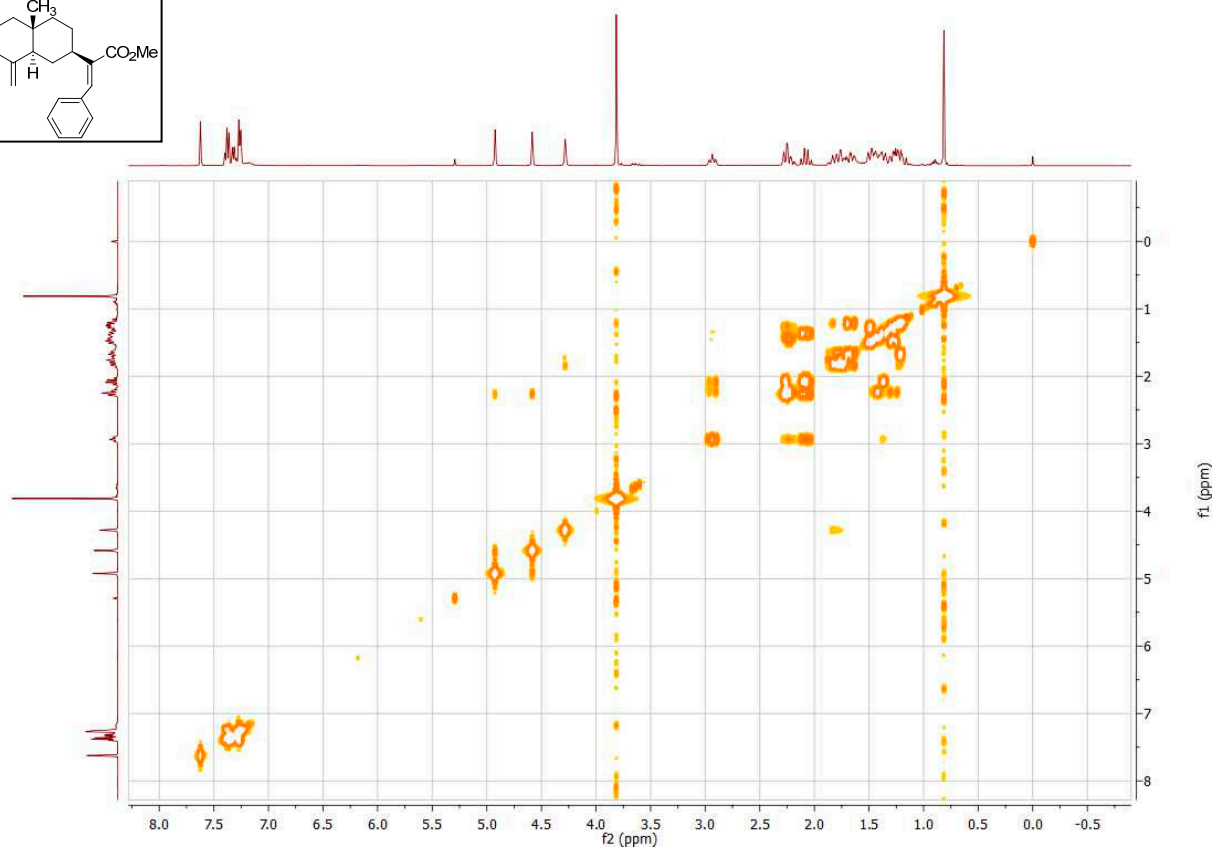
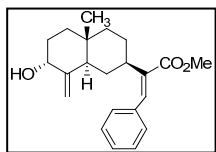
¹H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-phenylprop-2-enoate (8a)



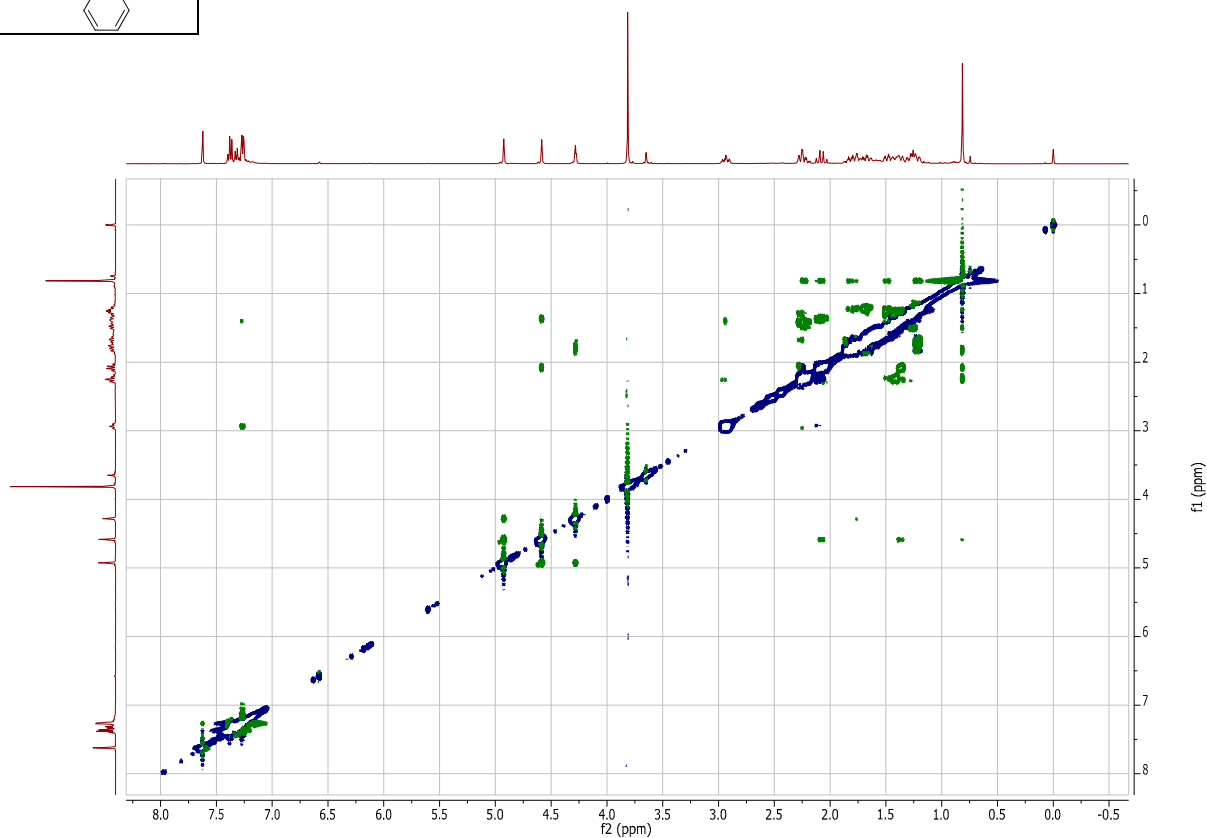
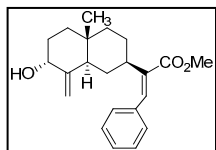
¹³C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-phenylprop-2-enoate (8a)



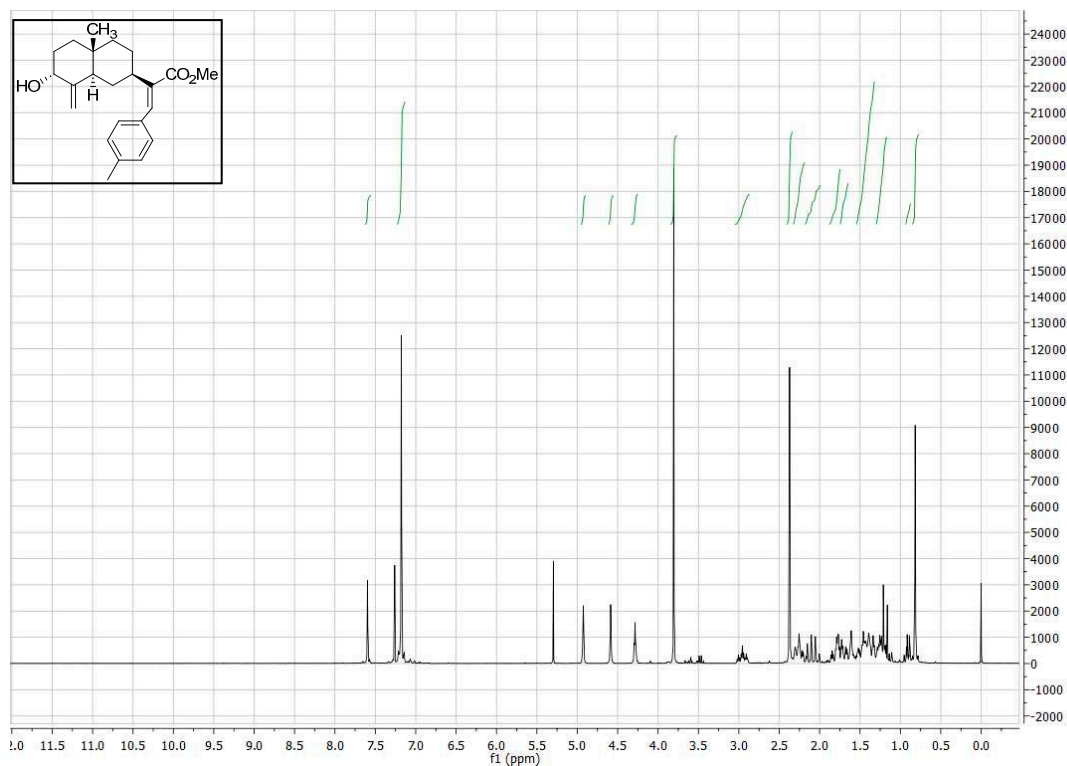
COSY NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylenedecahydronaphthalen-2-yl]-3-phenylprop-2-enoate (8a)



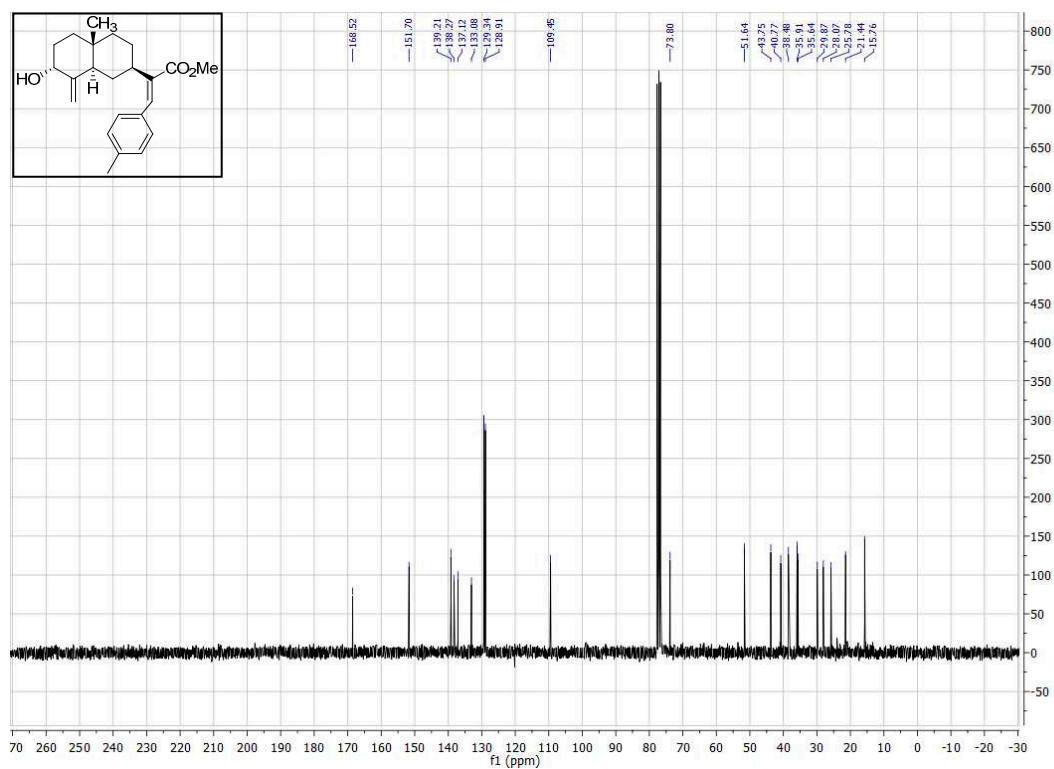
NOESY NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methyldene-decahydronaphthalen-2-yl]-3-phenylprop-2-enoate (8a)



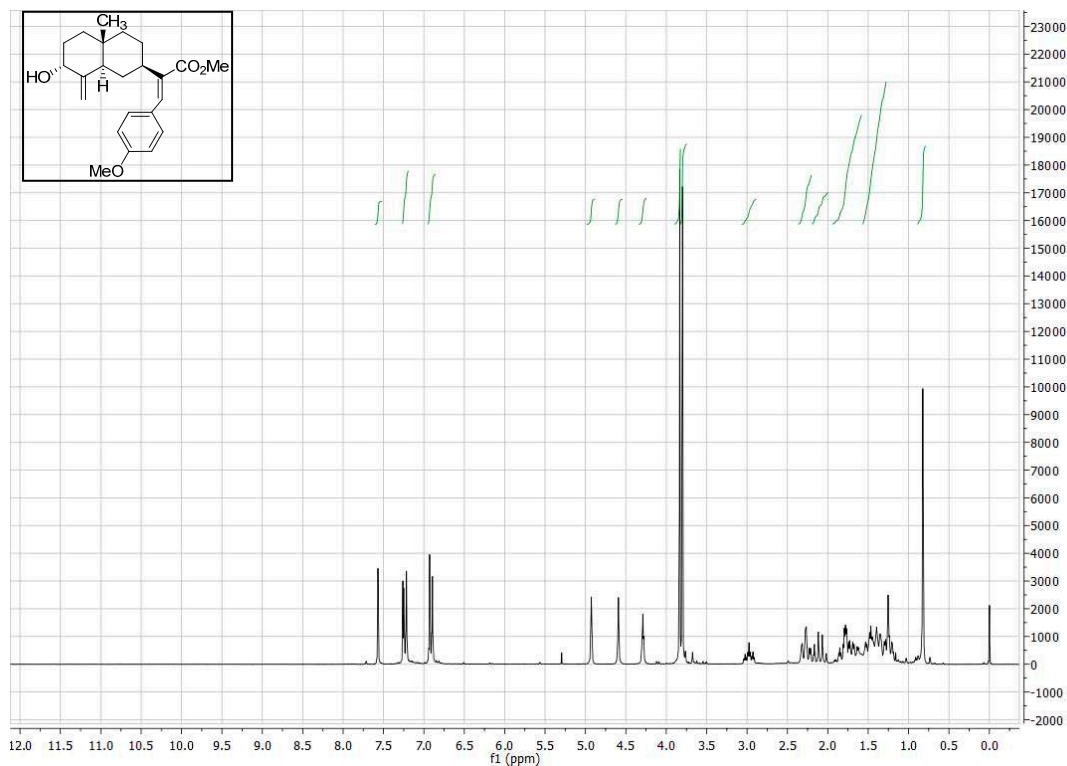
¹H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (8b)



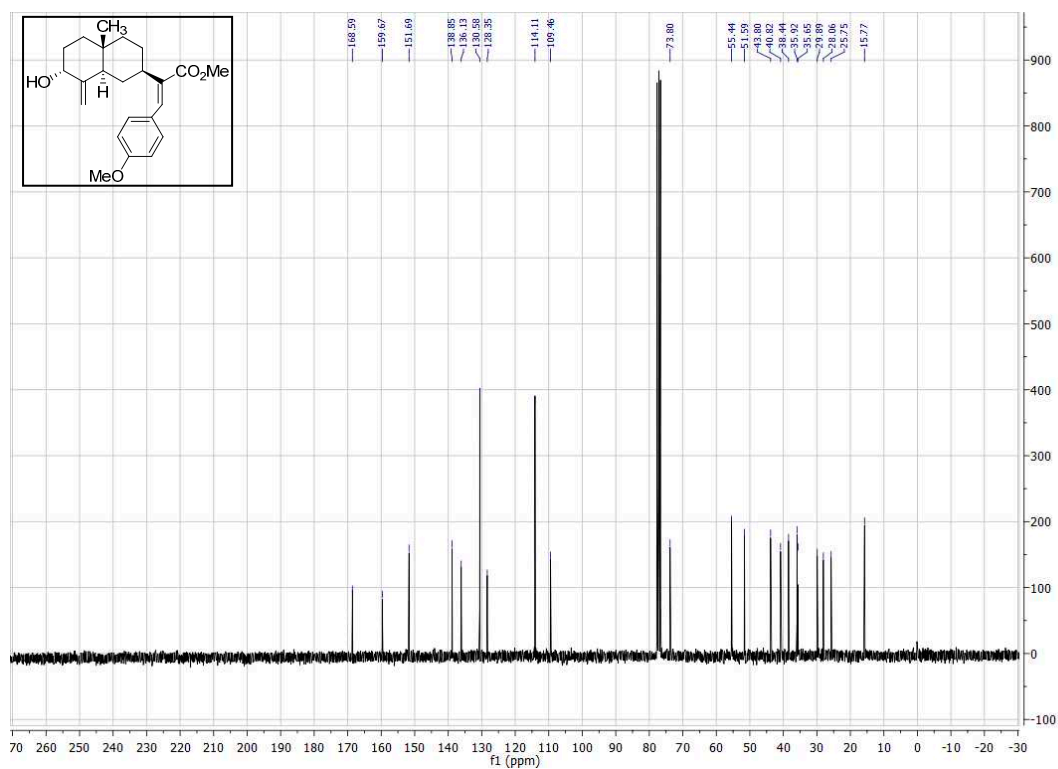
¹³C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (8b)



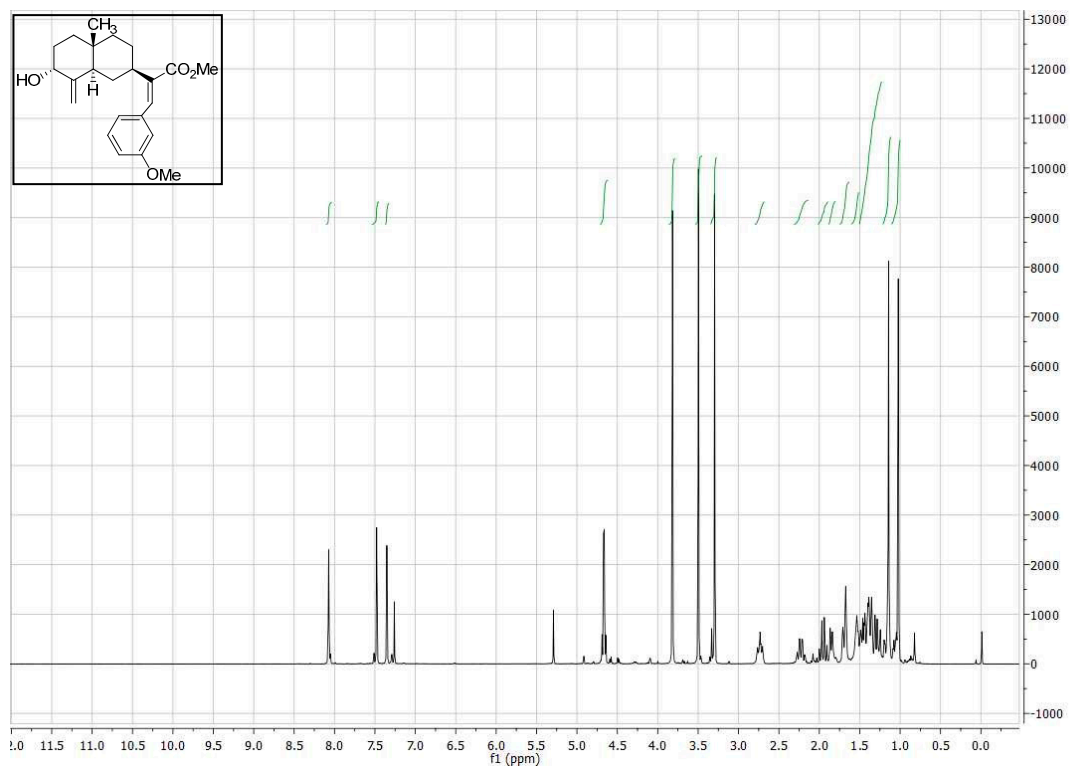
¹H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(4-methoxyphenyl)prop-2-enoate (8c)



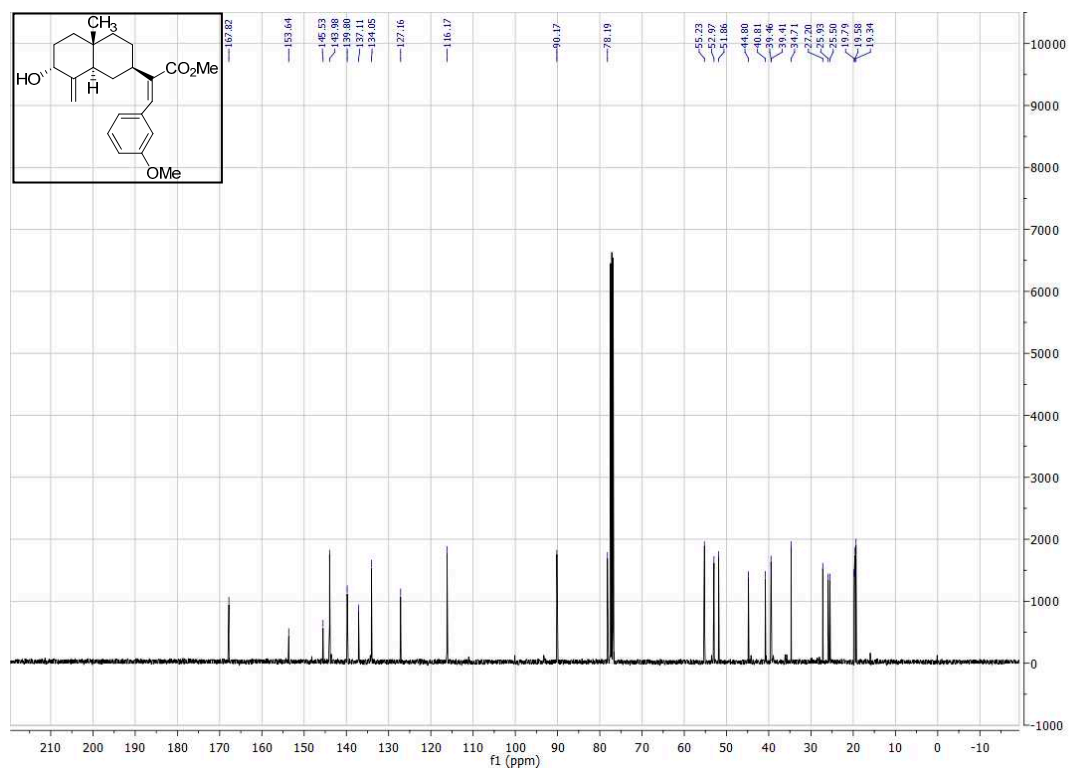
¹³C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(4-methoxyphenyl)prop-2-enoate (8c)



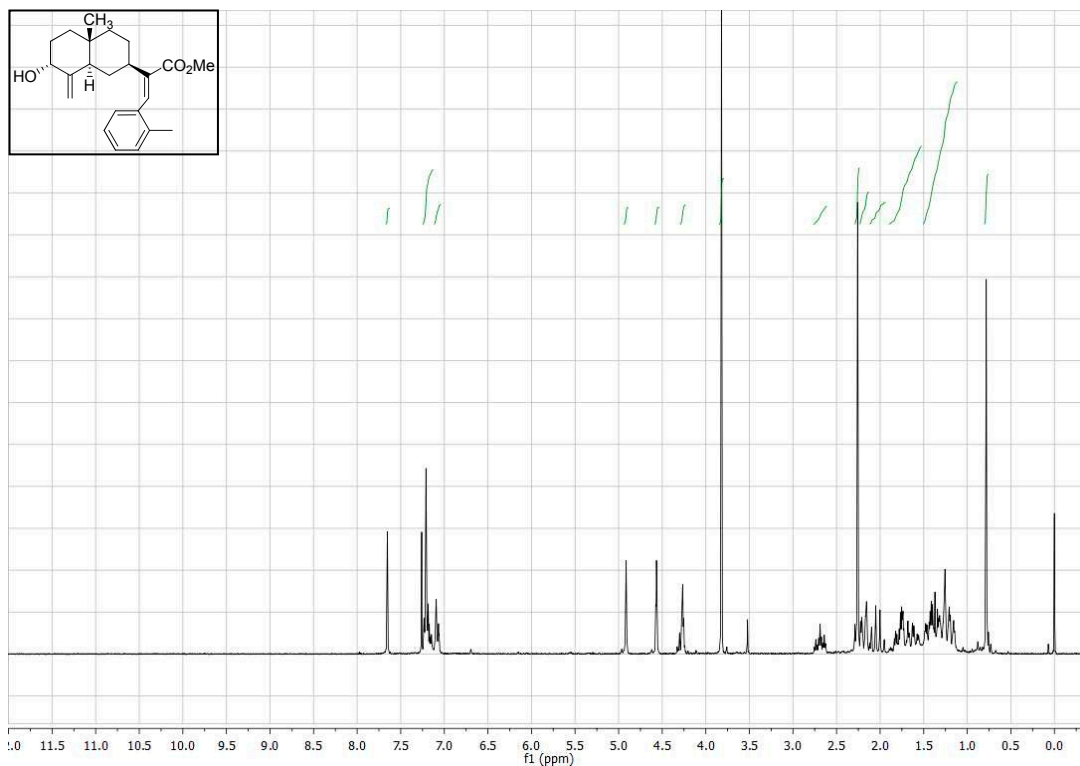
¹H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(3-methoxyphenyl)prop-2-enoate (8d)



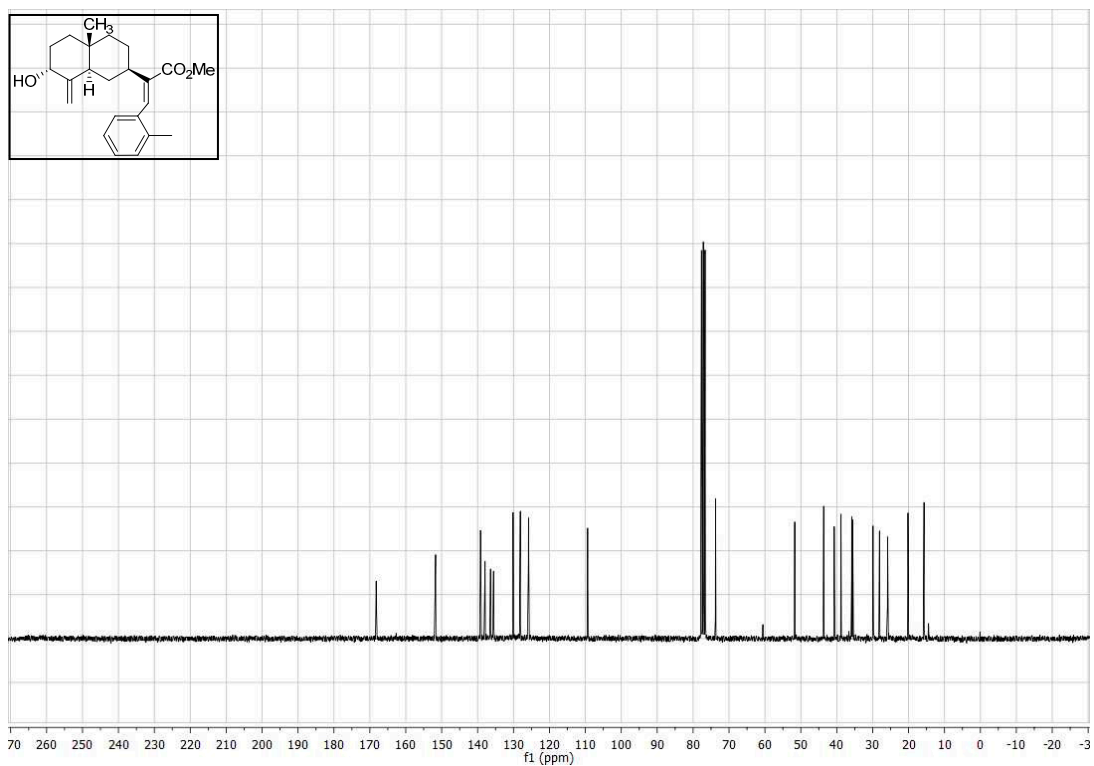
¹³C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(3-methoxyphenyl)prop-2-enoate (8d)



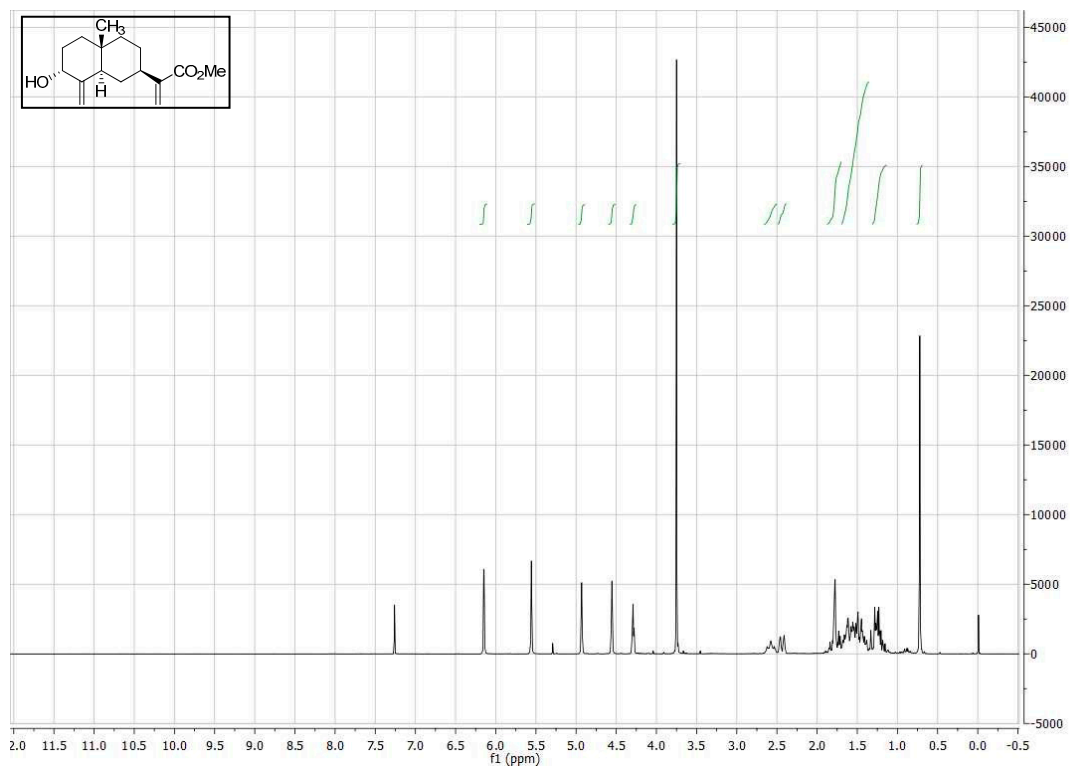
¹H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(2-methylphenyl)prop-2-enoate (8e)



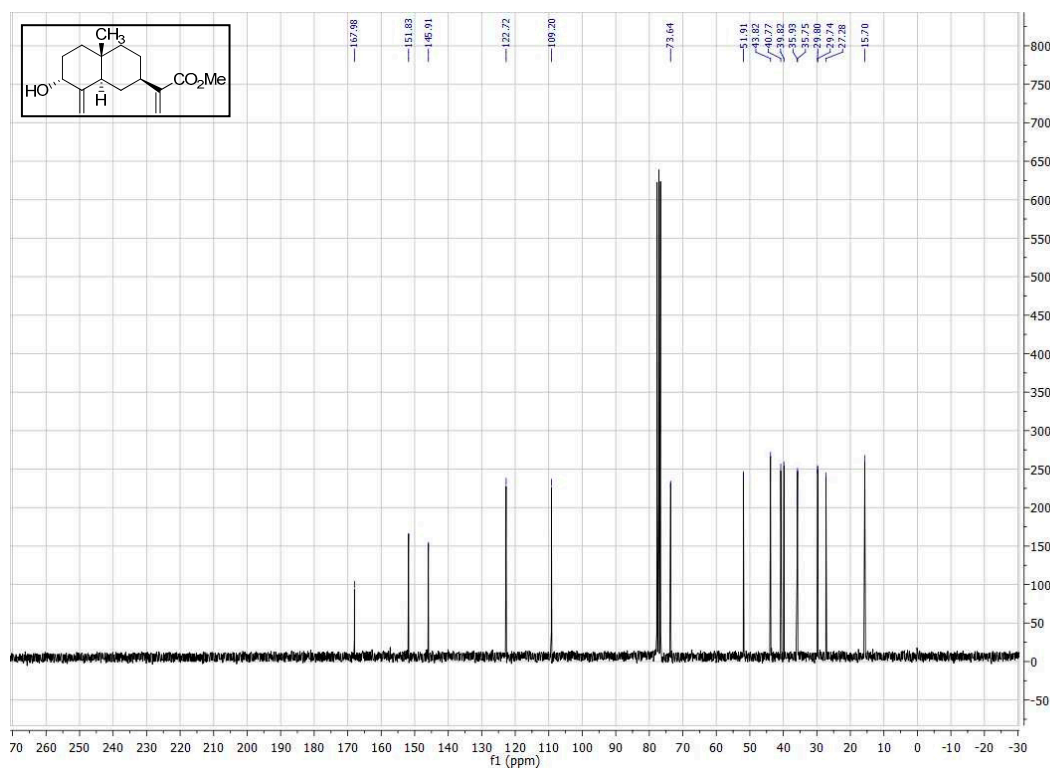
¹³C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(2-methylphenyl)prop-2-enoate (8e)



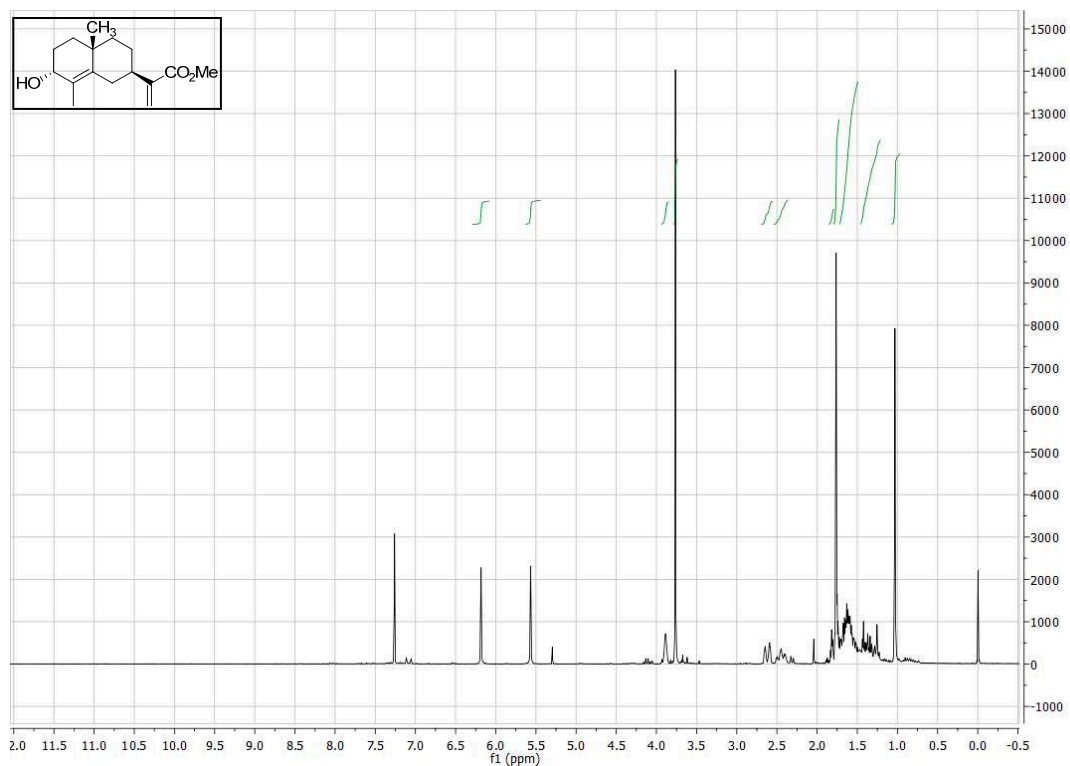
^1H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]prop-2-enoate (9a)



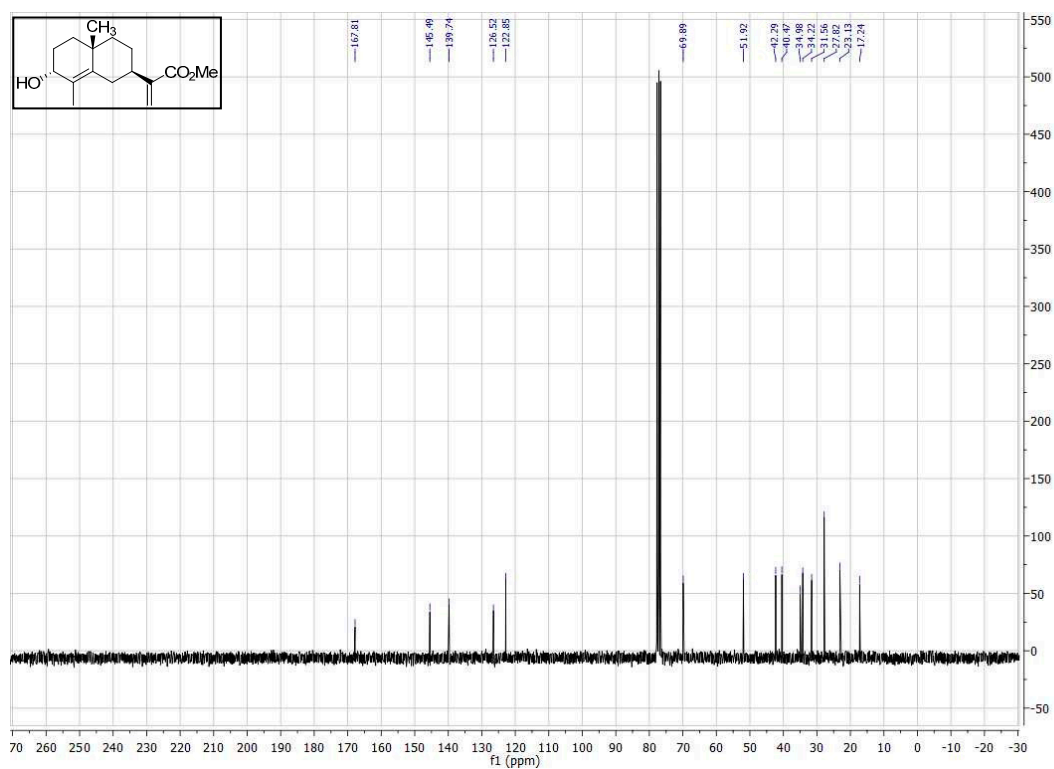
^{13}C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-hydroxy-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]prop-2-enoate (9a)



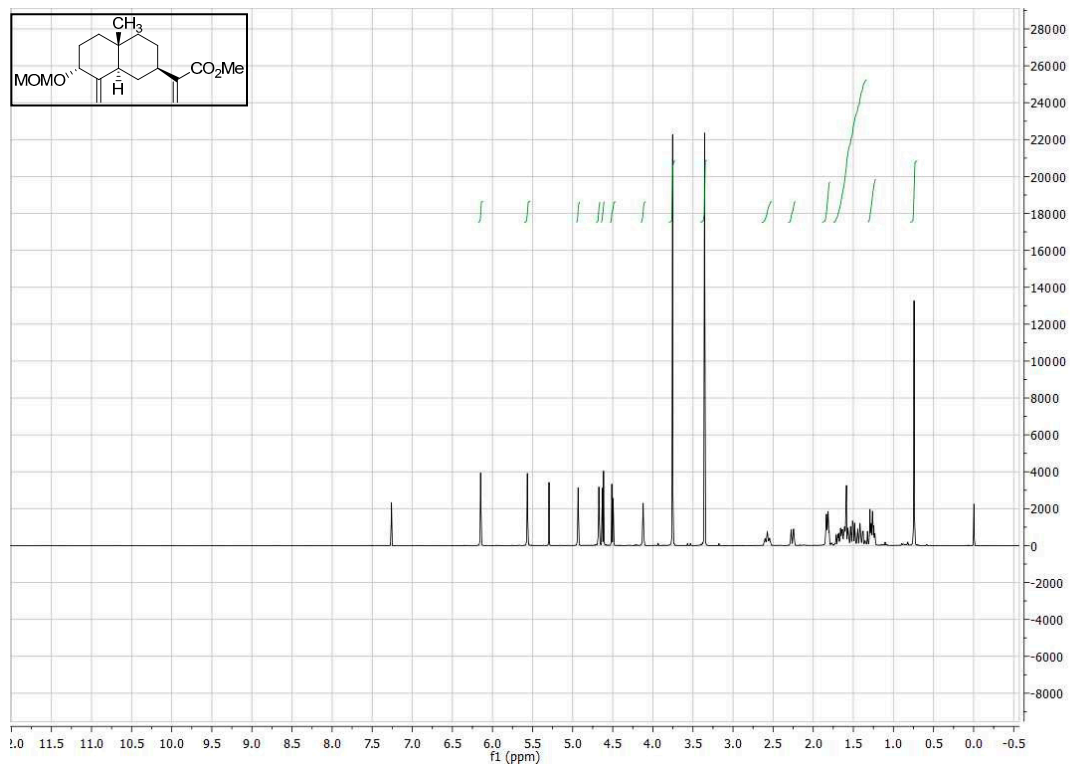
¹H NMR spectrum of methyl 2-[(2R,4aS,7R)-7-hydroxy-4a,8-dimethyl-1,2,3,4,4a,5,6,7-octahydronaphthalen-2-yl]prop-2-enoate (9b)



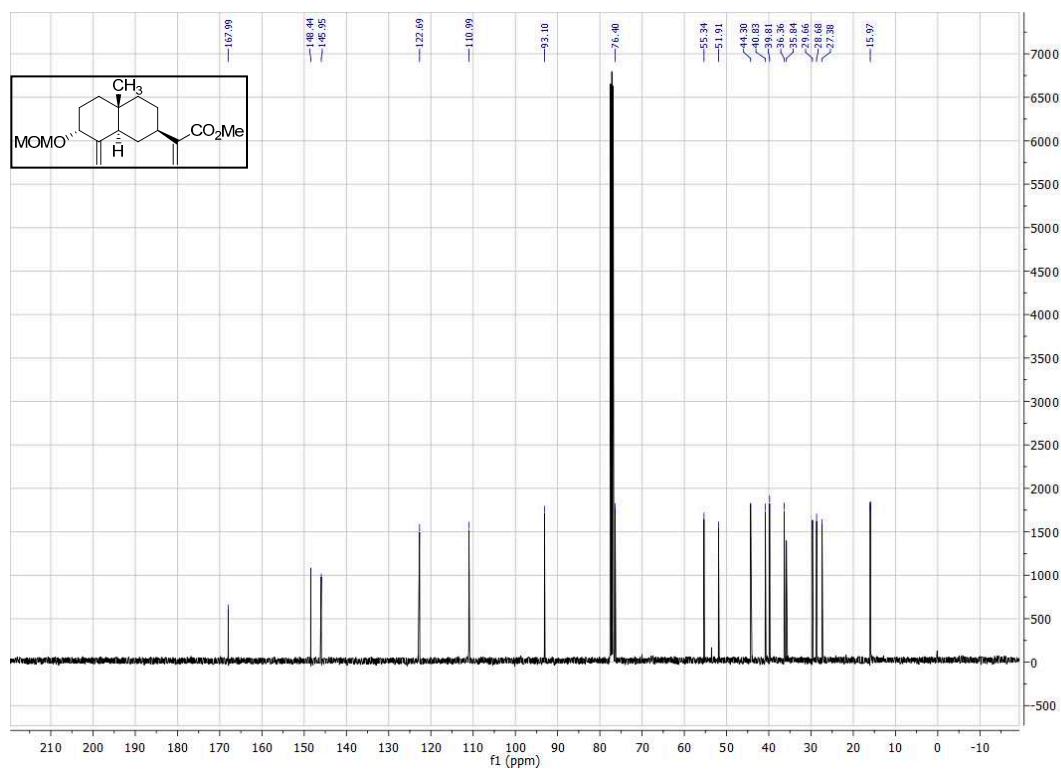
¹³C NMR spectrum of methyl 2-[(2R,4aS,7R)-7-hydroxy-4a,8-dimethyl-1,2,3,4,4a,5,6,7-octahydronaphthalen-2-yl]prop-2-enoate (9b)



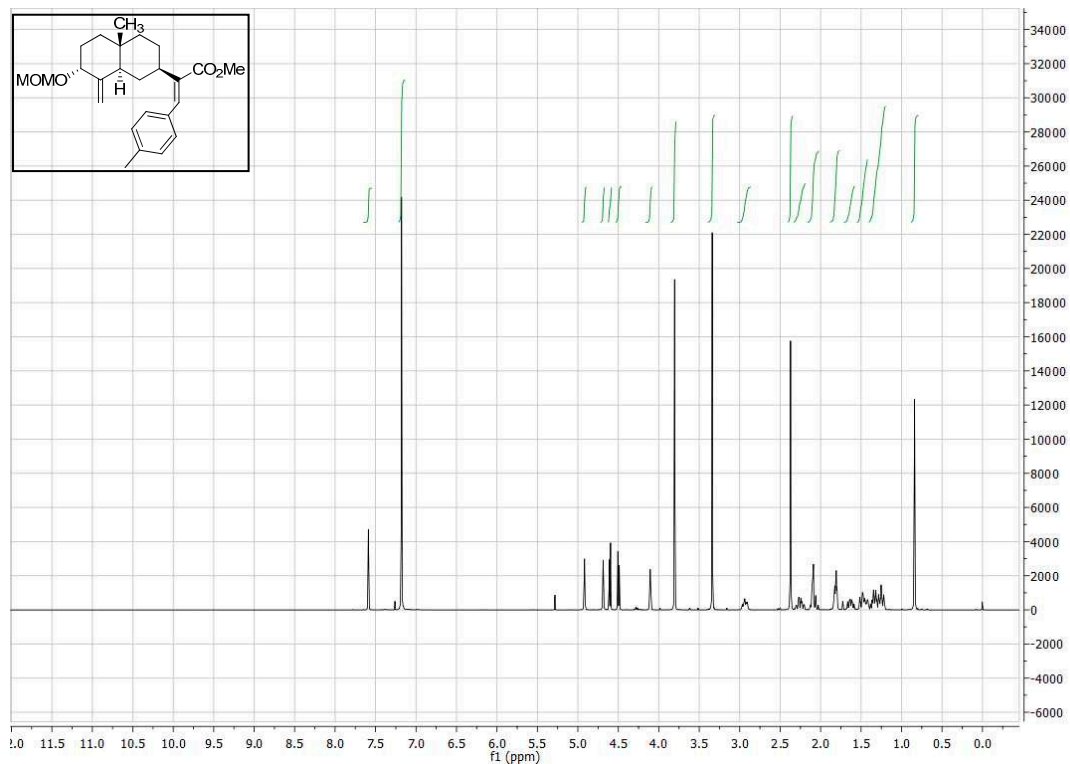
¹H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-(methoxymethoxy)-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]prop-2-enoate (10)



¹³C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-(methoxymethoxy)-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]prop-2-enoate (10)



¹H NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-(methoxymethoxy)-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (11)



¹³C NMR spectrum of methyl 2-[(2R,4aS,7R,8aR)-7-(methoxymethoxy)-4a-methyl-8-methylidene-decahydronaphthalen-2-yl]-3-(4-methylphenyl)prop-2-enoate (11)

