

**PALLADIUM-CATALYZED ONE-POT APPROACH TO
3-(1,3-DIARYLPROP-2-YN-1-YLIDENE)OXINDOLES**

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Jibong-ro, Wonmi-gu, Bucheon, Gyeonggi-do 14662, Republic of Korea

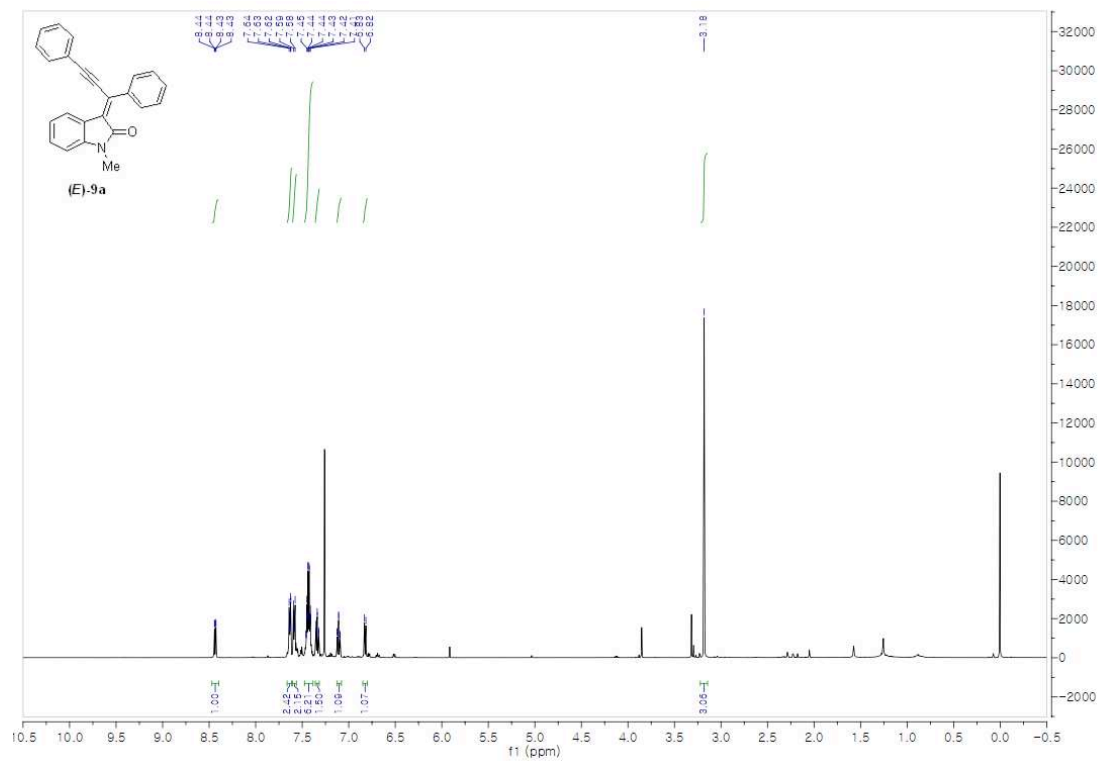
E-mail: jaehongseo@catholic.ac.kr

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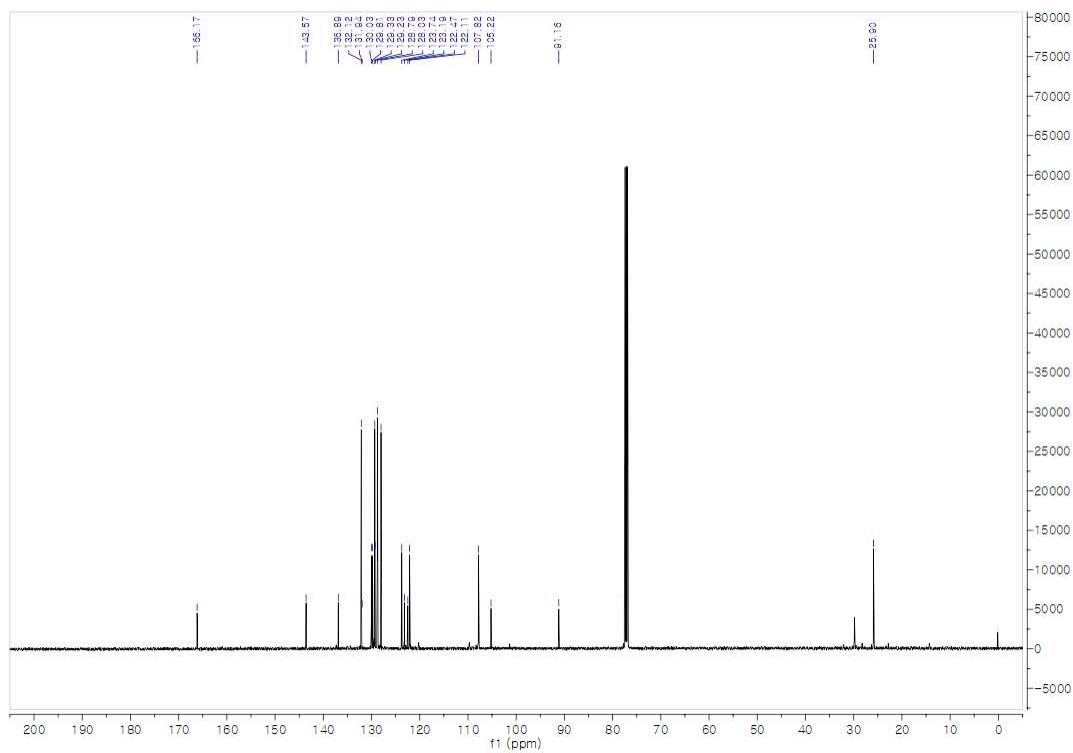
Copies of ^1H , ^{13}C , HSQC, HMBC, COSY and ROESY NMR data

(E)-3-(1,3-Diphenylprop-2-yn-1-ylidene)-1-methylindolin-2-one ((E)-9a)

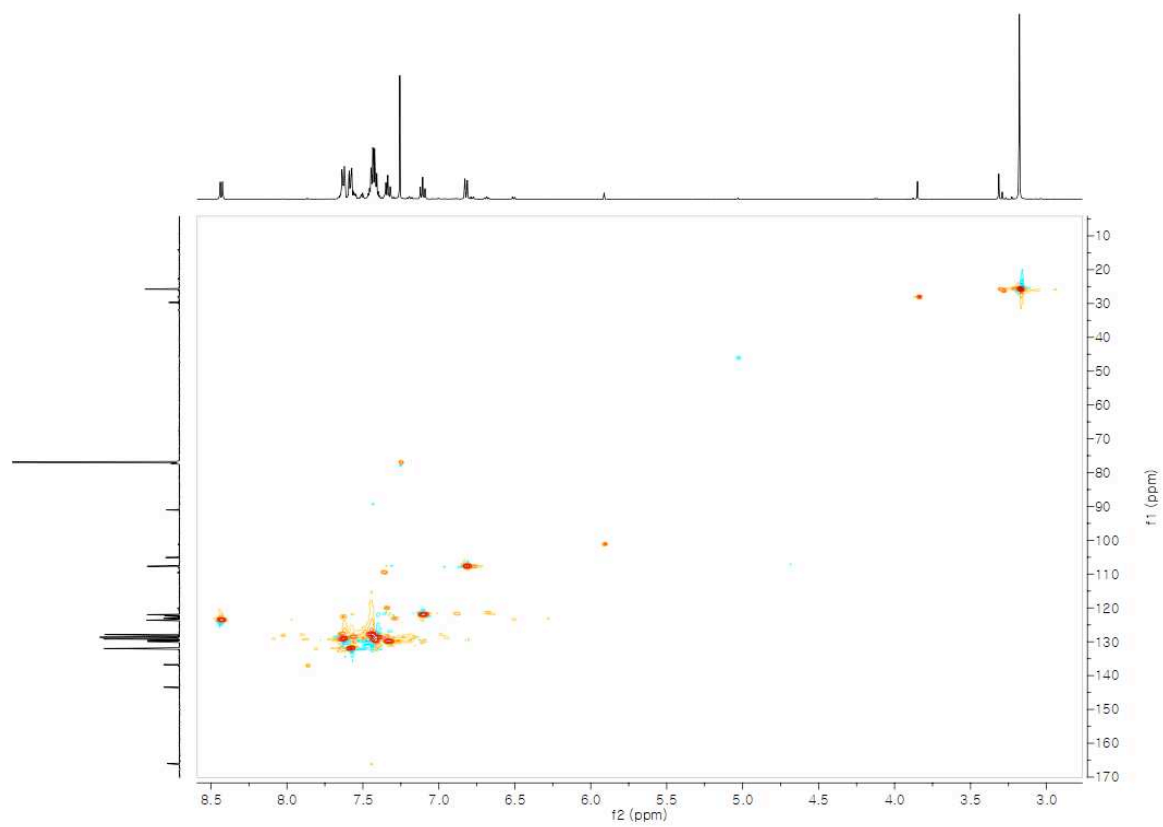
¹H NMR spectrum of (E)-9a



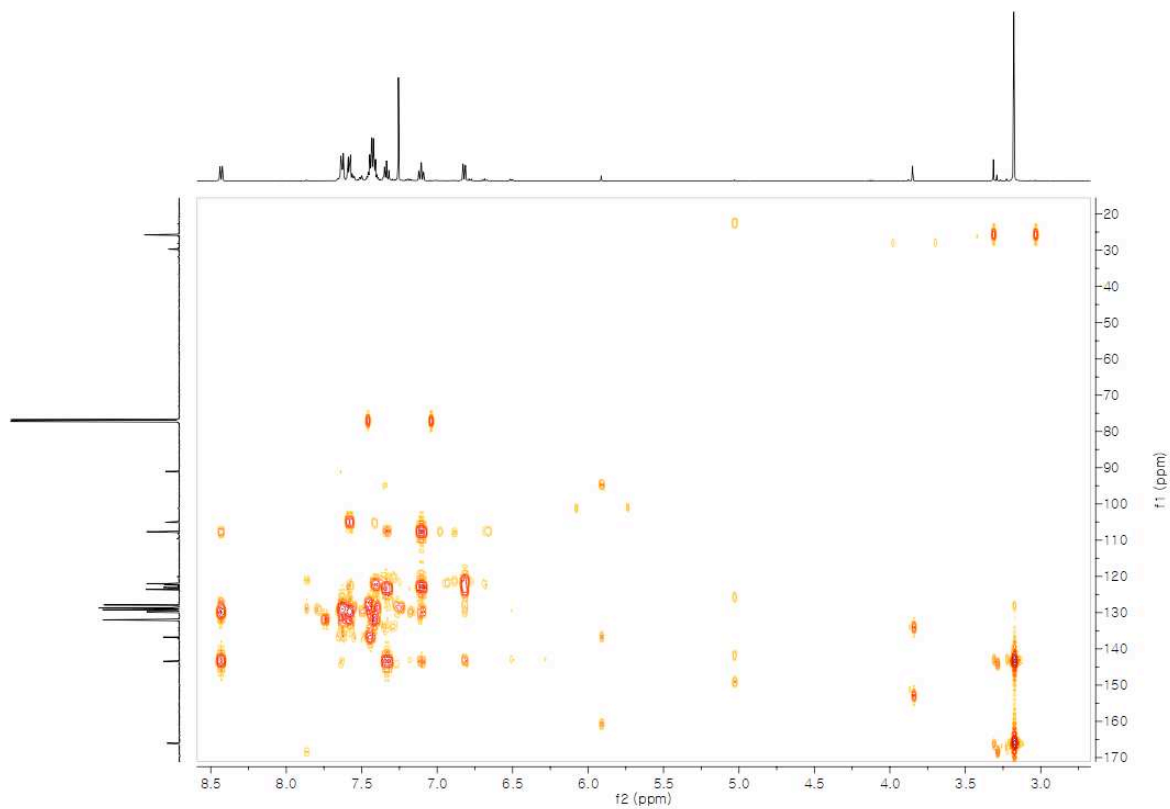
¹³C NMR spectrum of (E)-9a



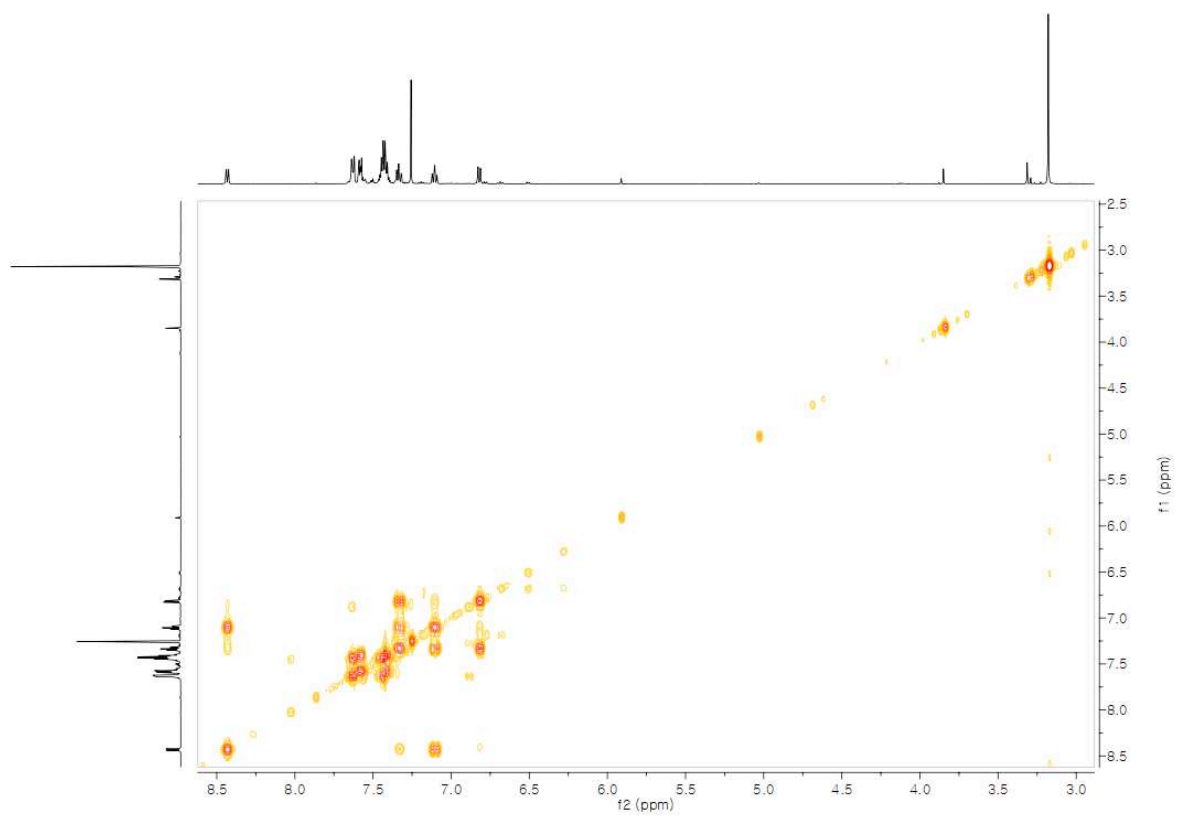
HSQC spectrum of (*E*)-9a



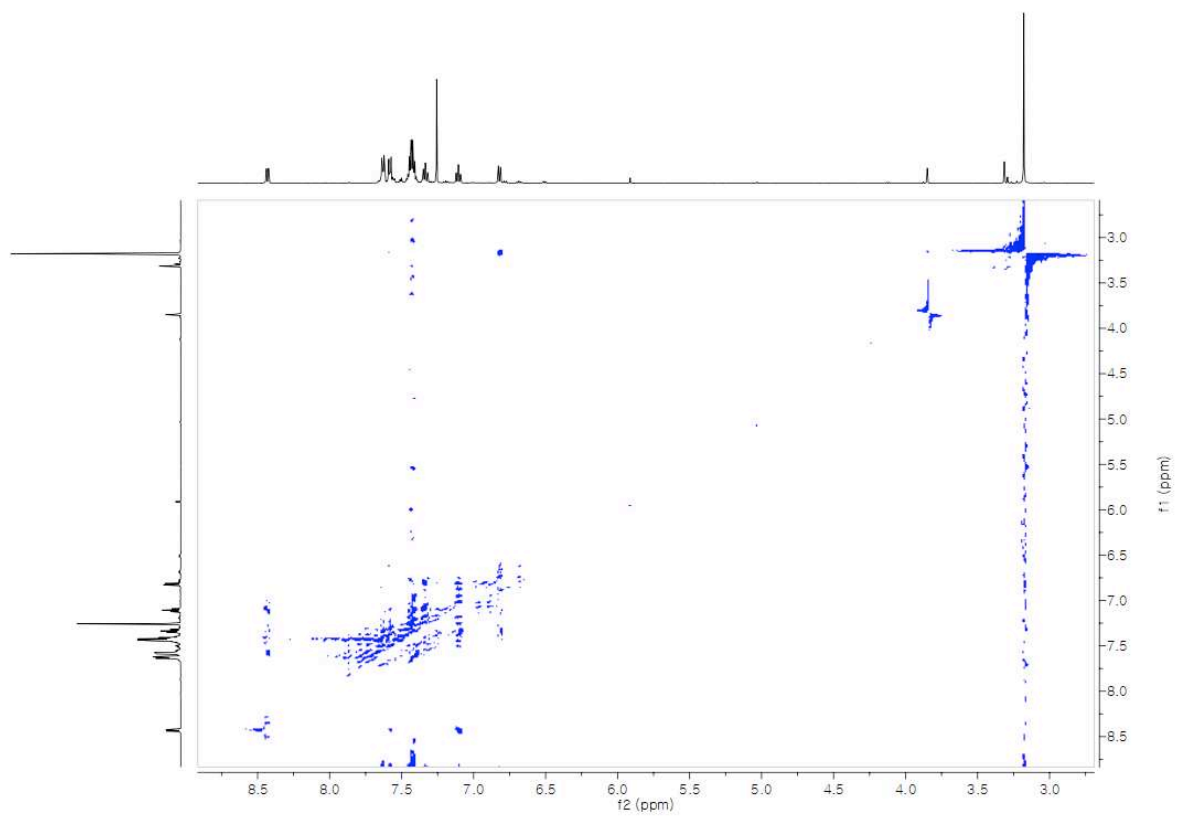
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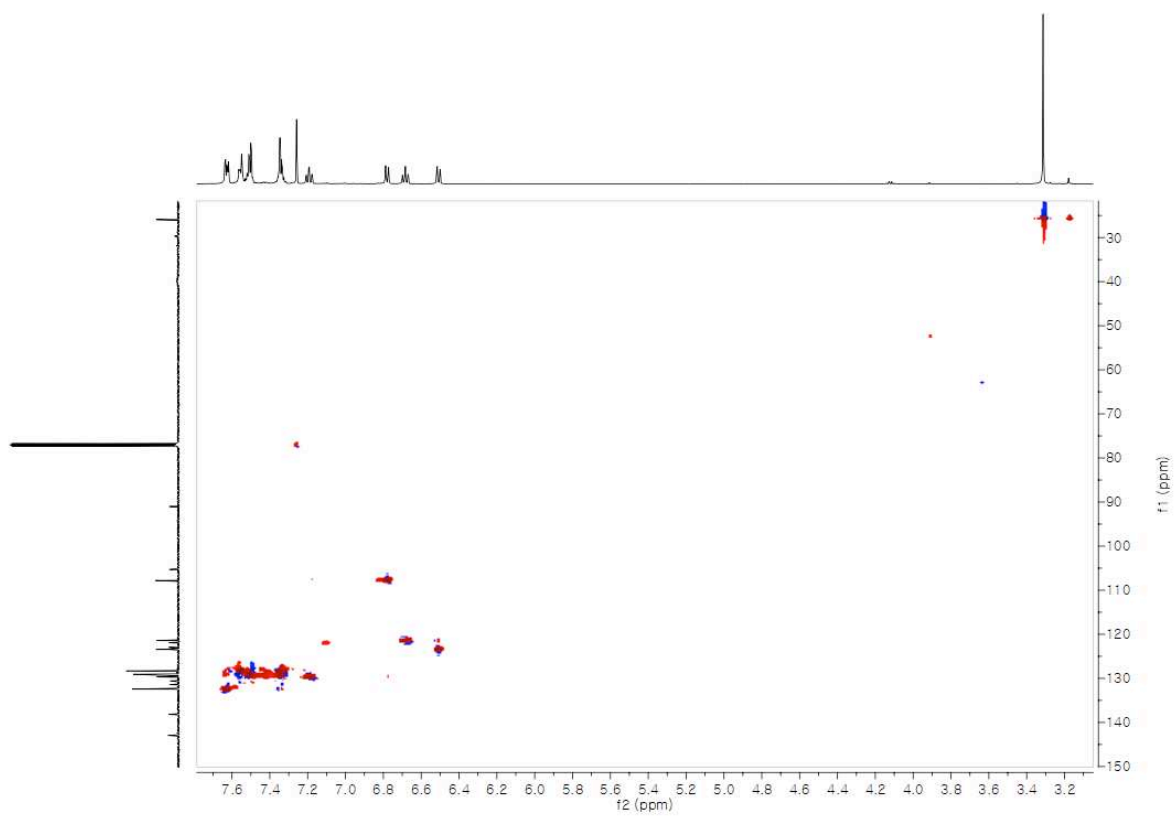
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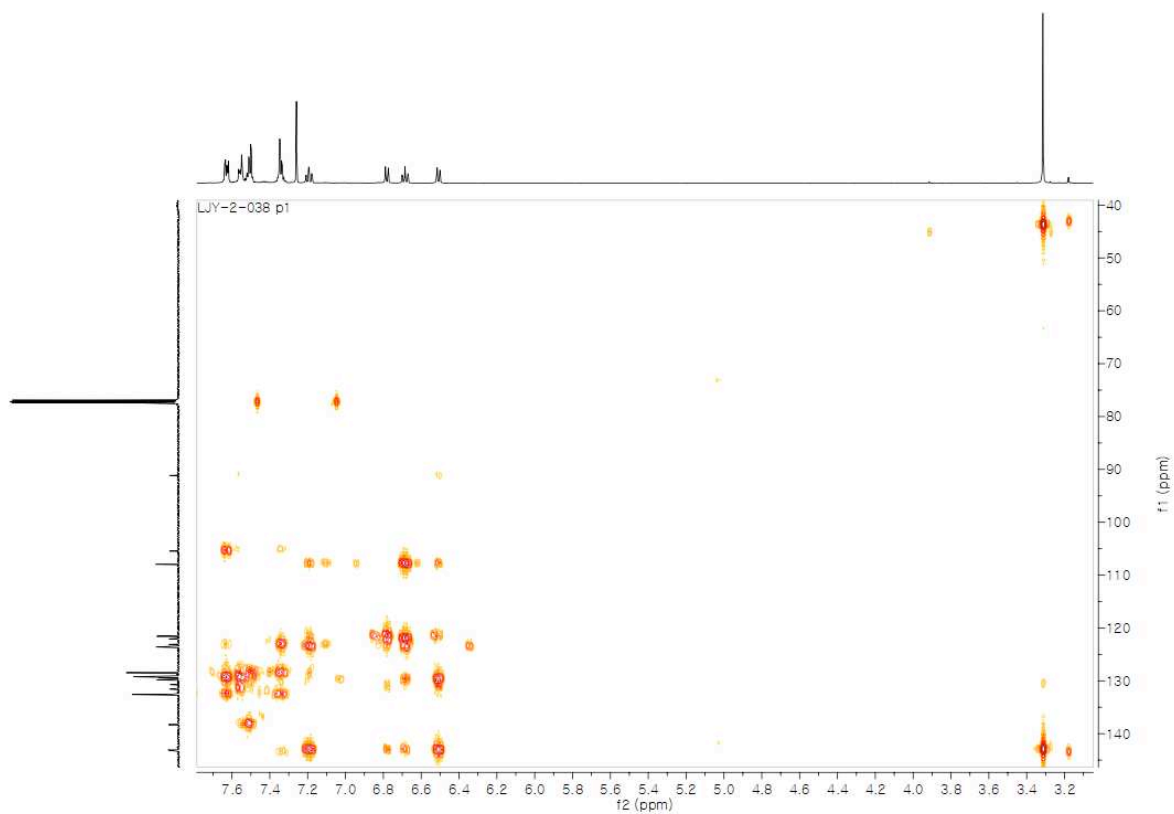
ROESY spectrum of (*E*)-9a



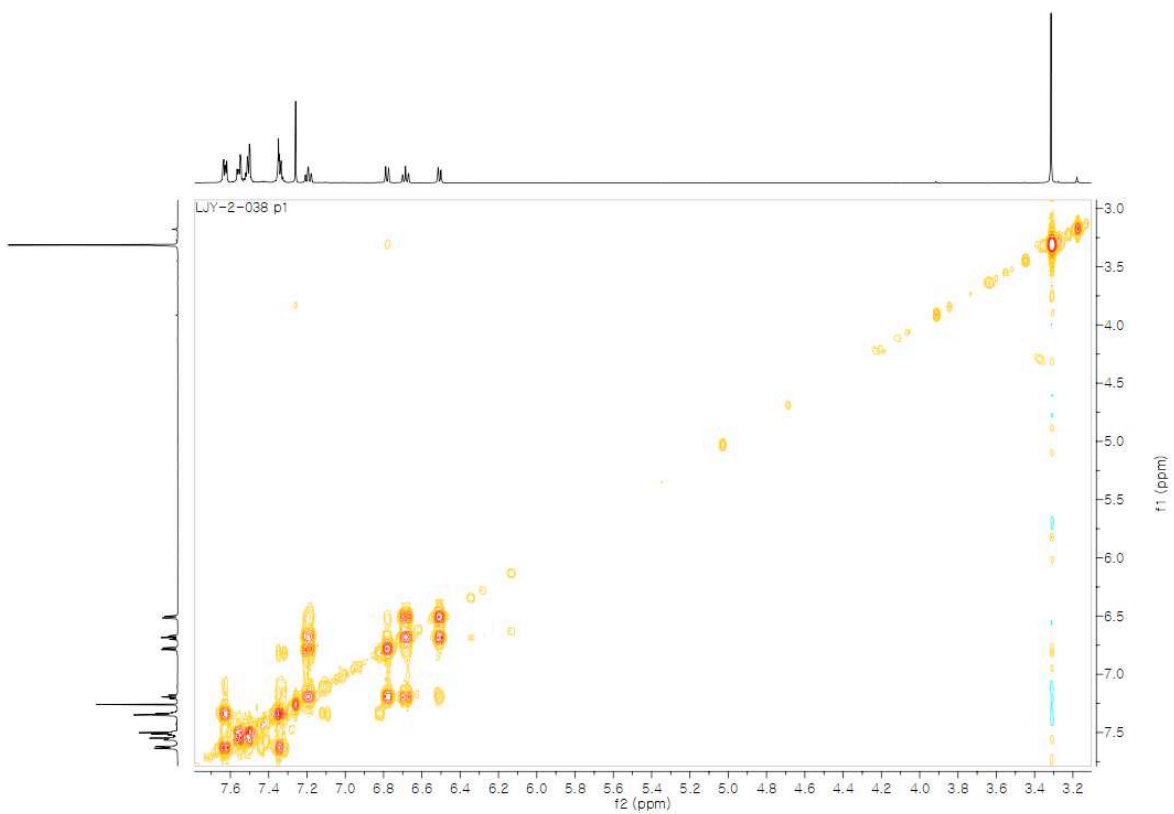
HSQC spectrum of (Z)-9a



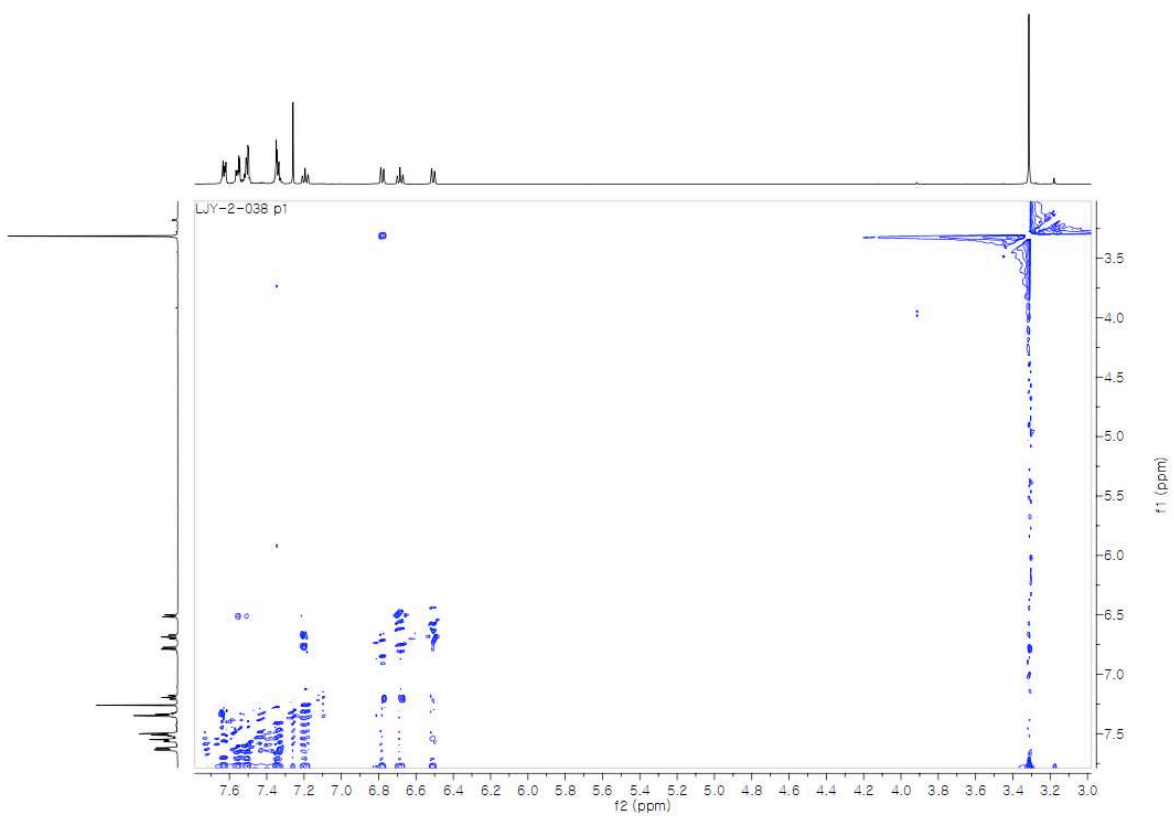
HMBC spectrum of (Z)-9a



COSY spectrum of (Z)-9a

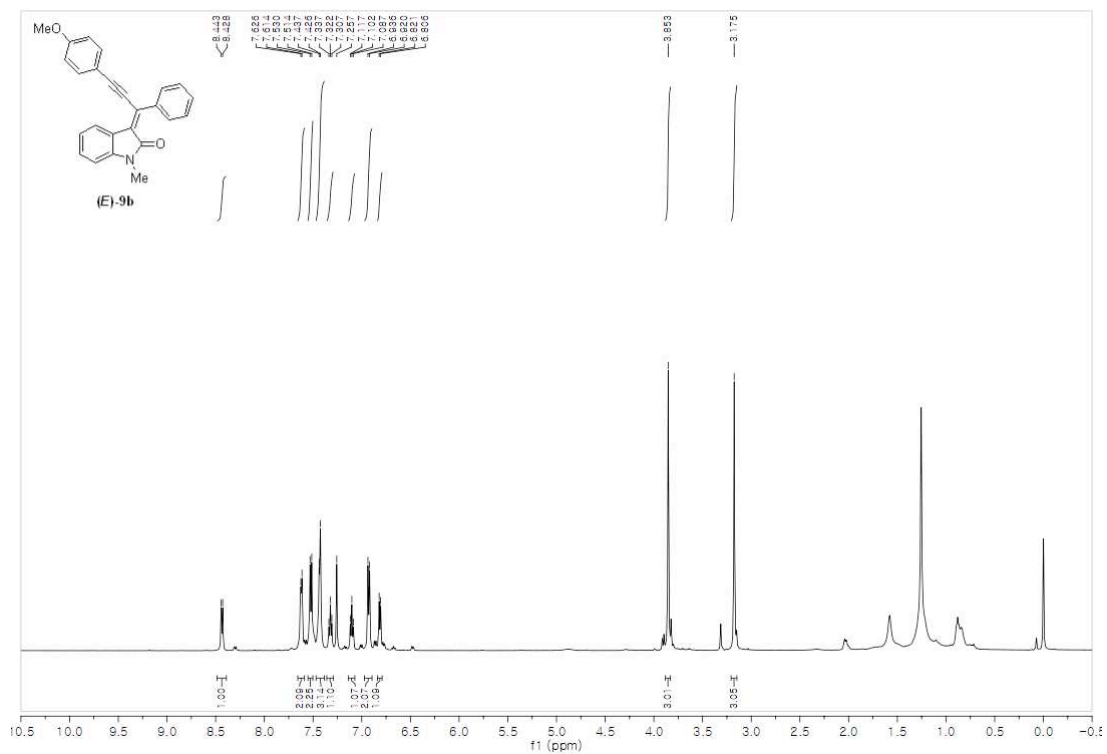


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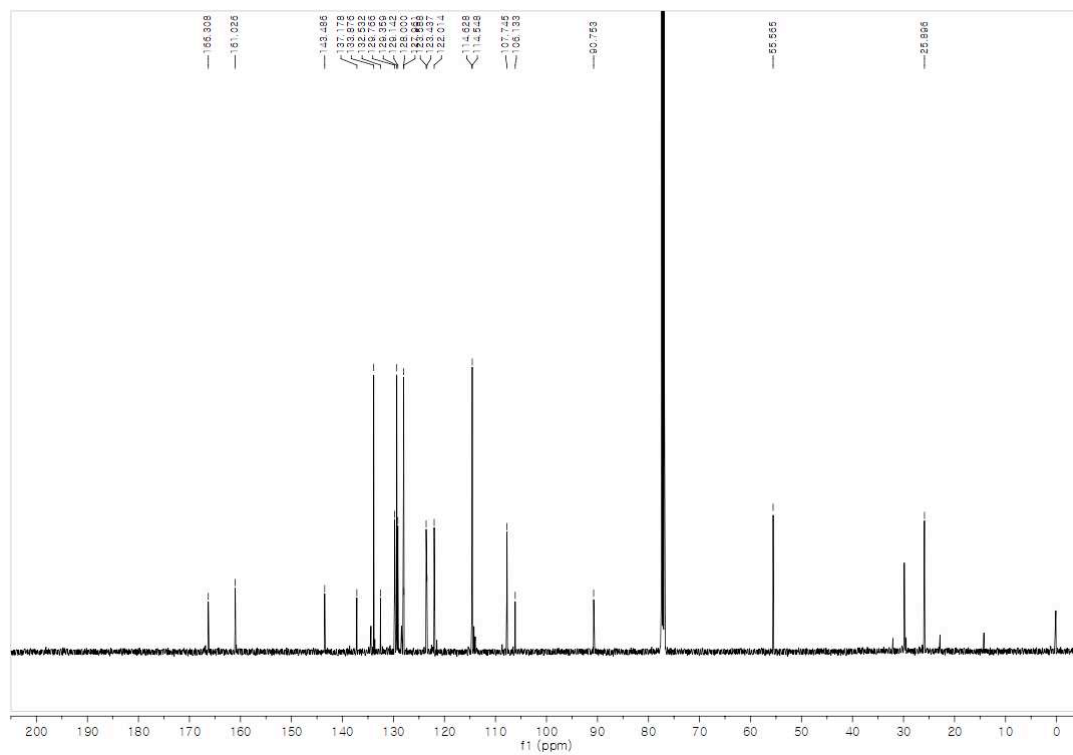


(E)-3-(3-(4-Methoxyphenyl)-1-phenylprop-2-yn-1-ylidene)-1-methylindolin-2-one ((E)-9b)

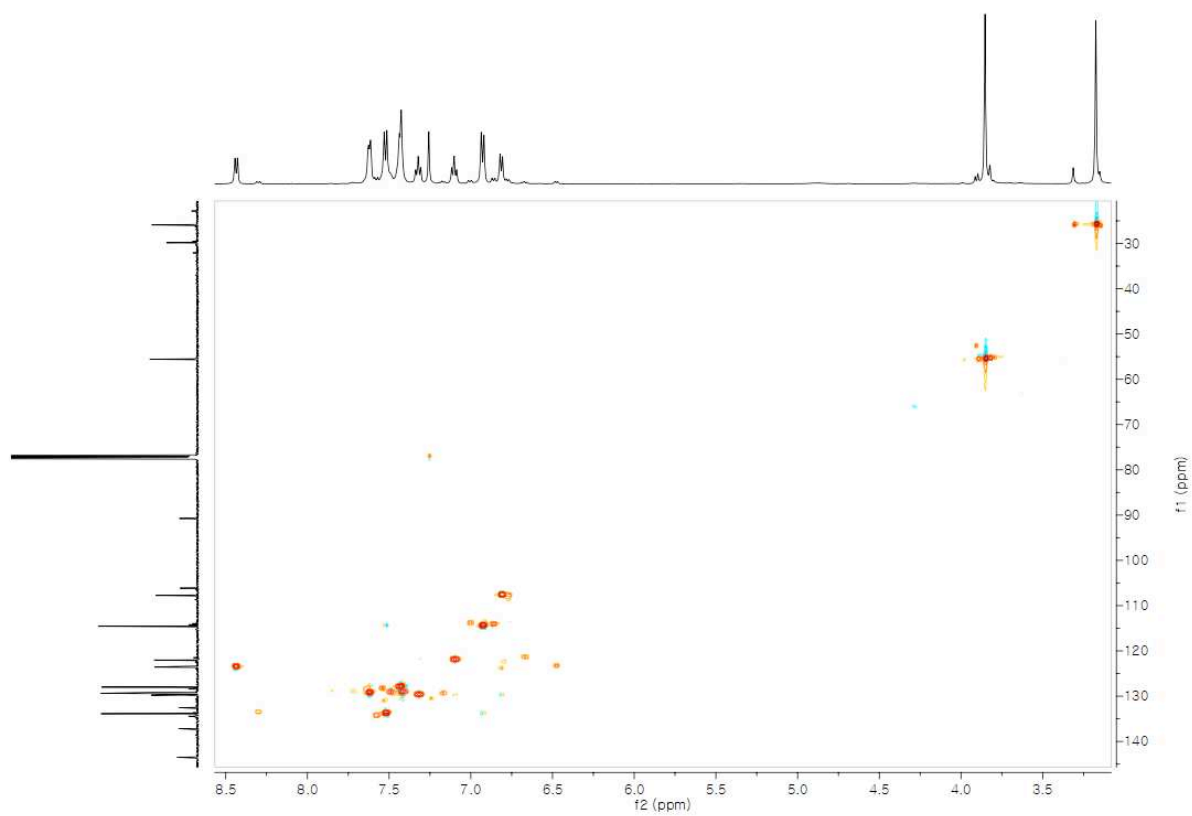
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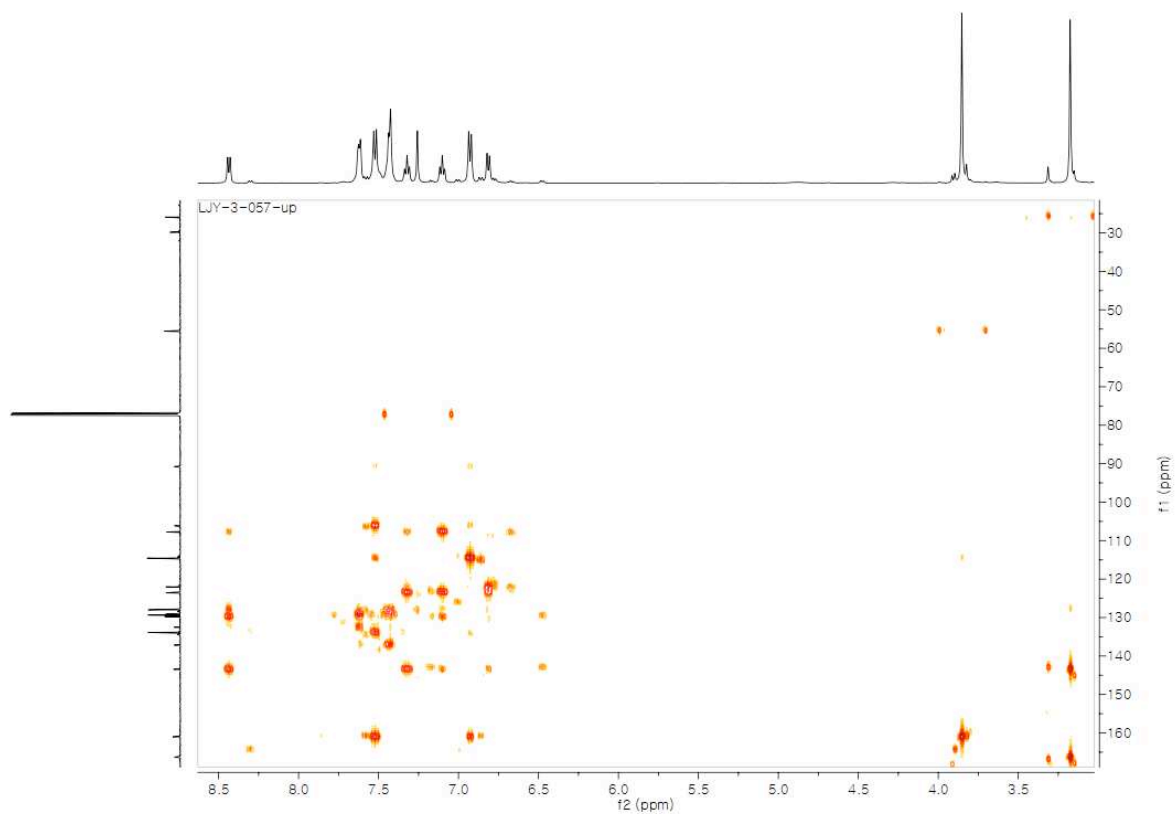
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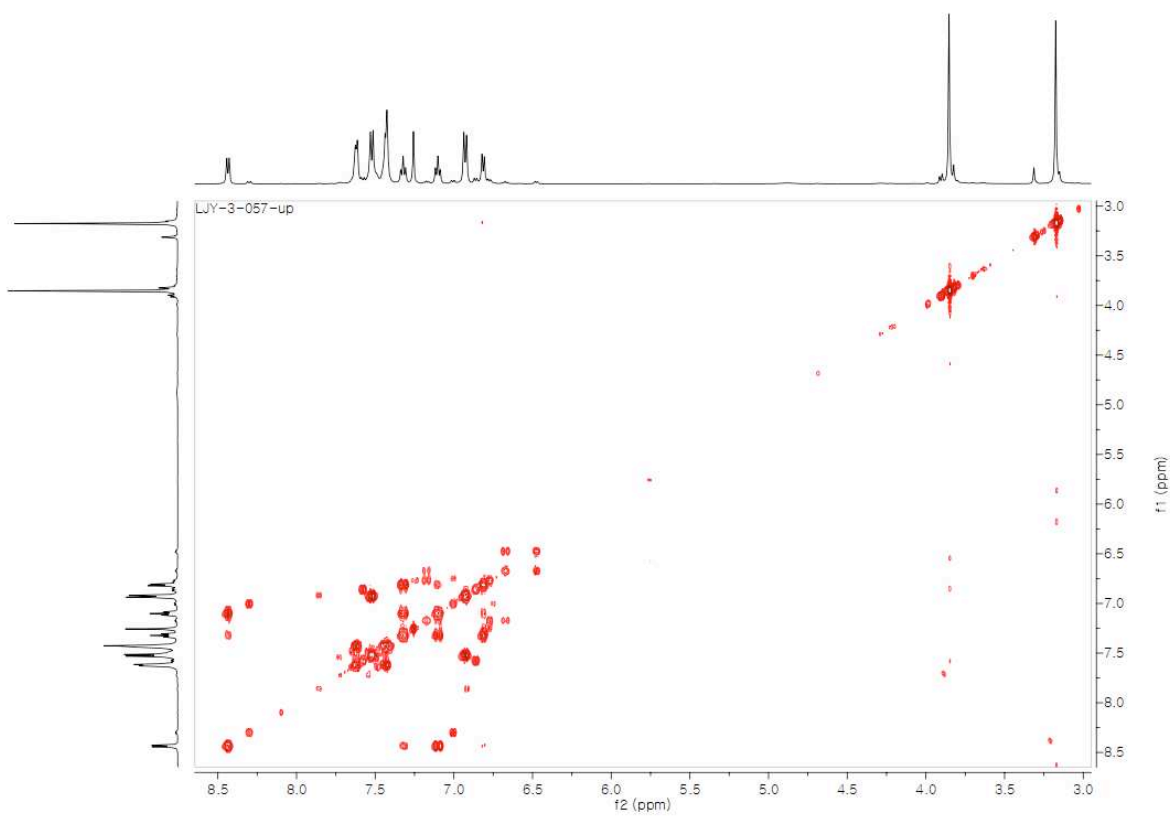
HSQC spectrum of (*E*)-9b



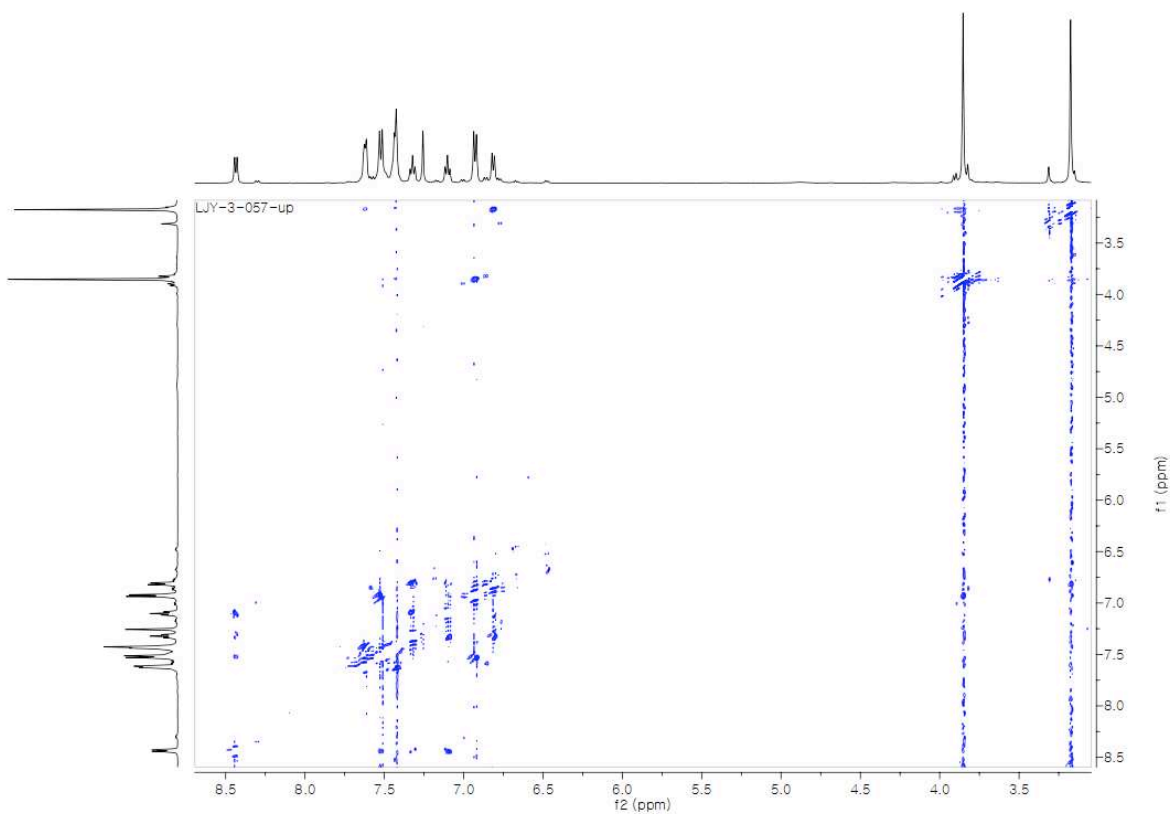
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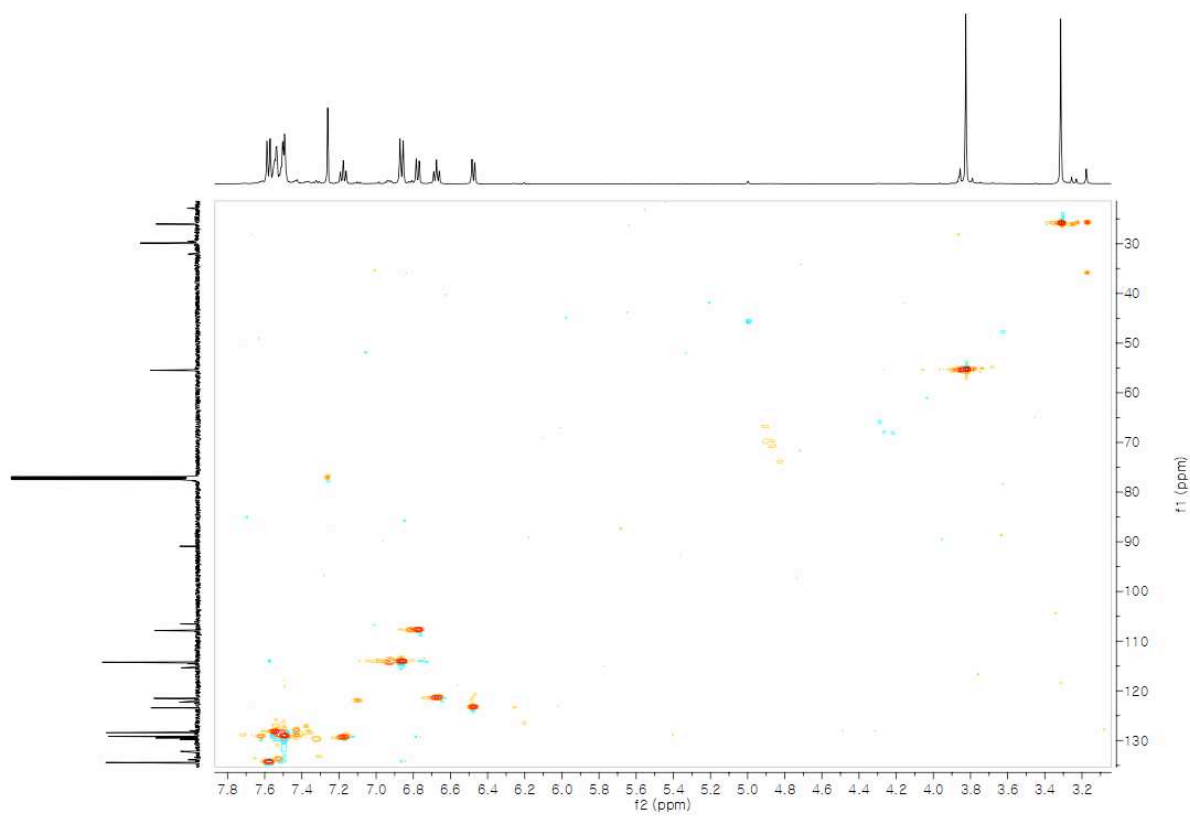
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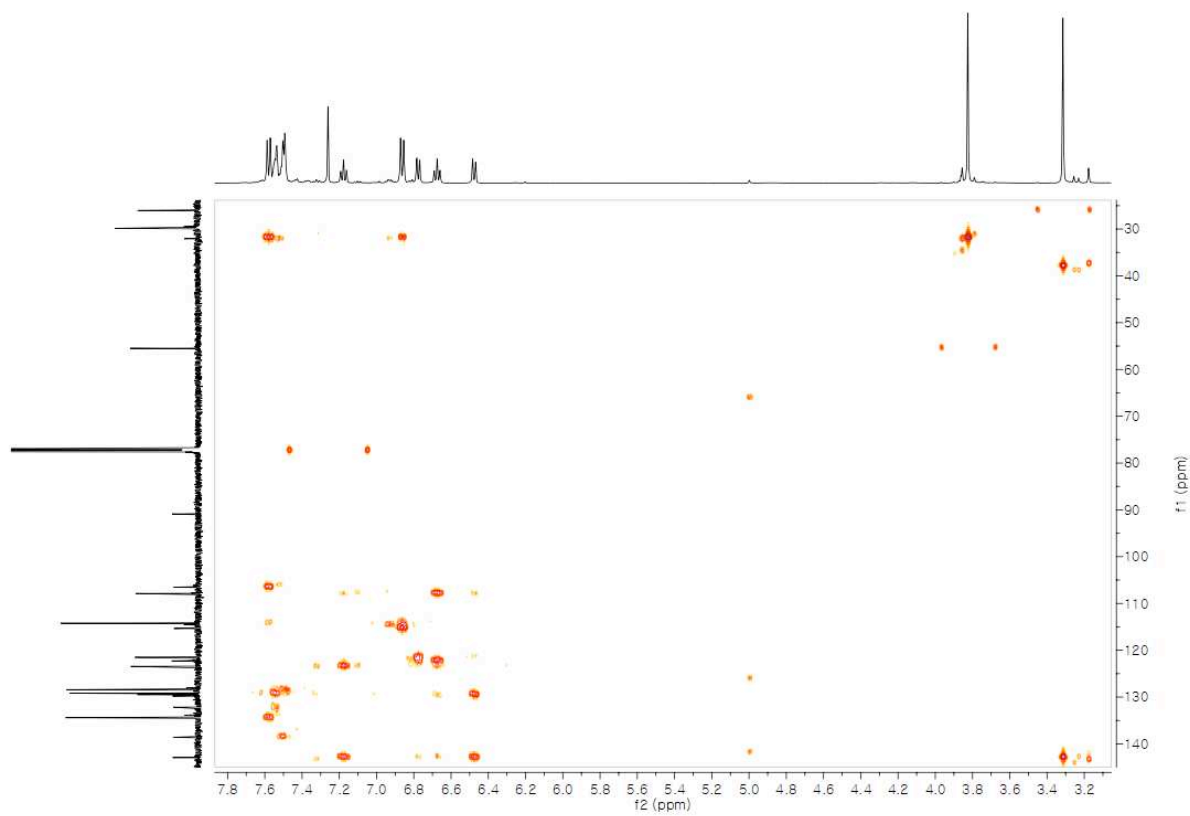
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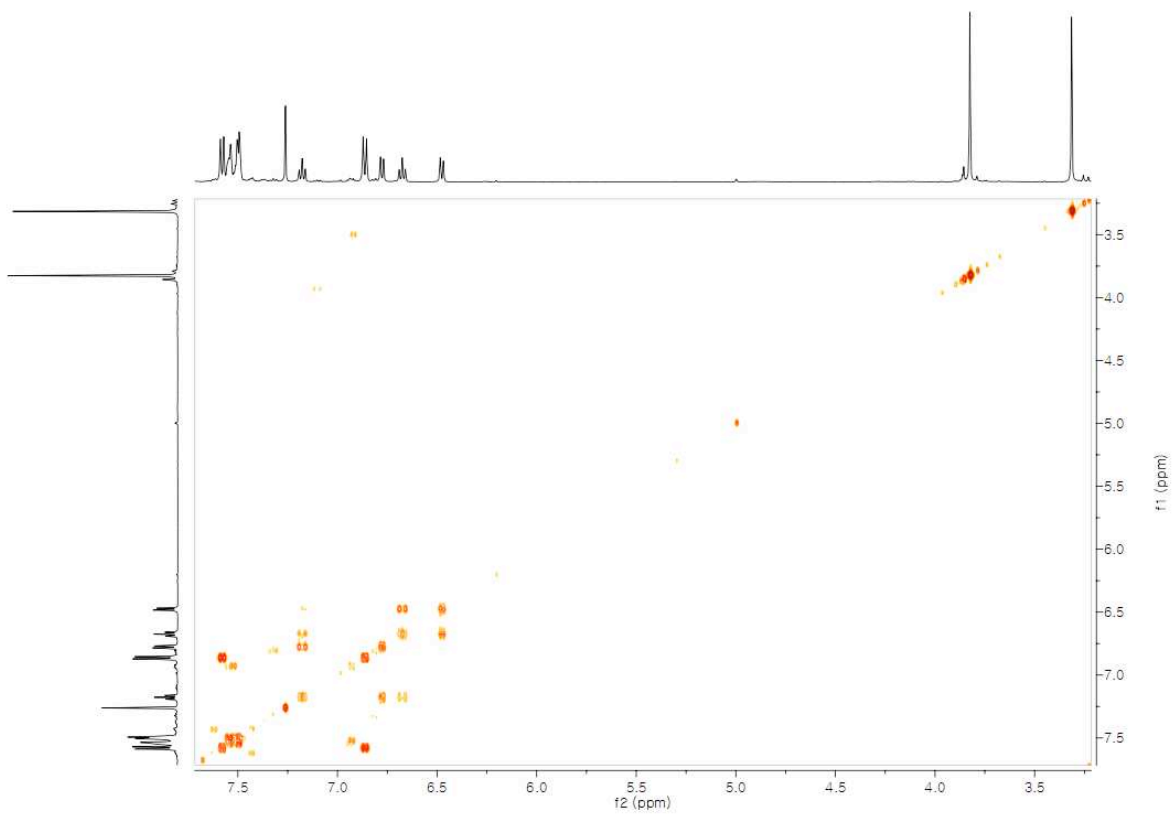
HSQC spectrum of (Z)-9b



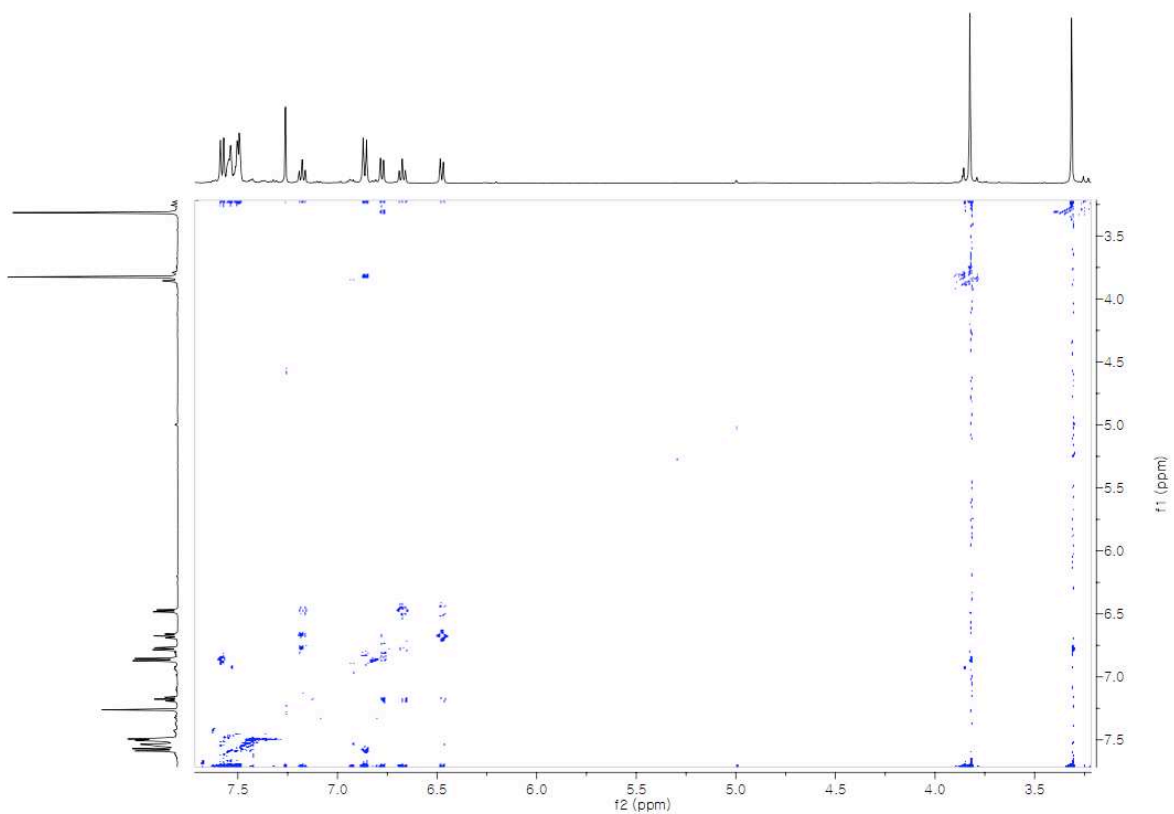
HMBC spectrum of (Z)-9b



COSY spectrum of (Z)-9b

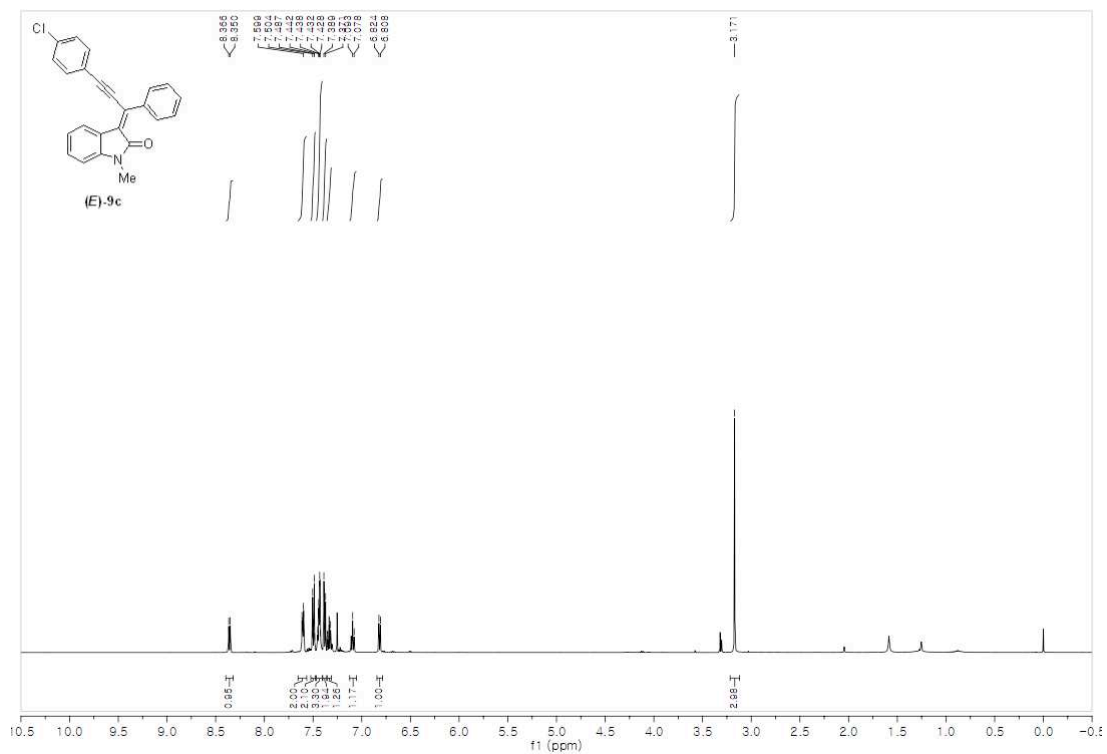


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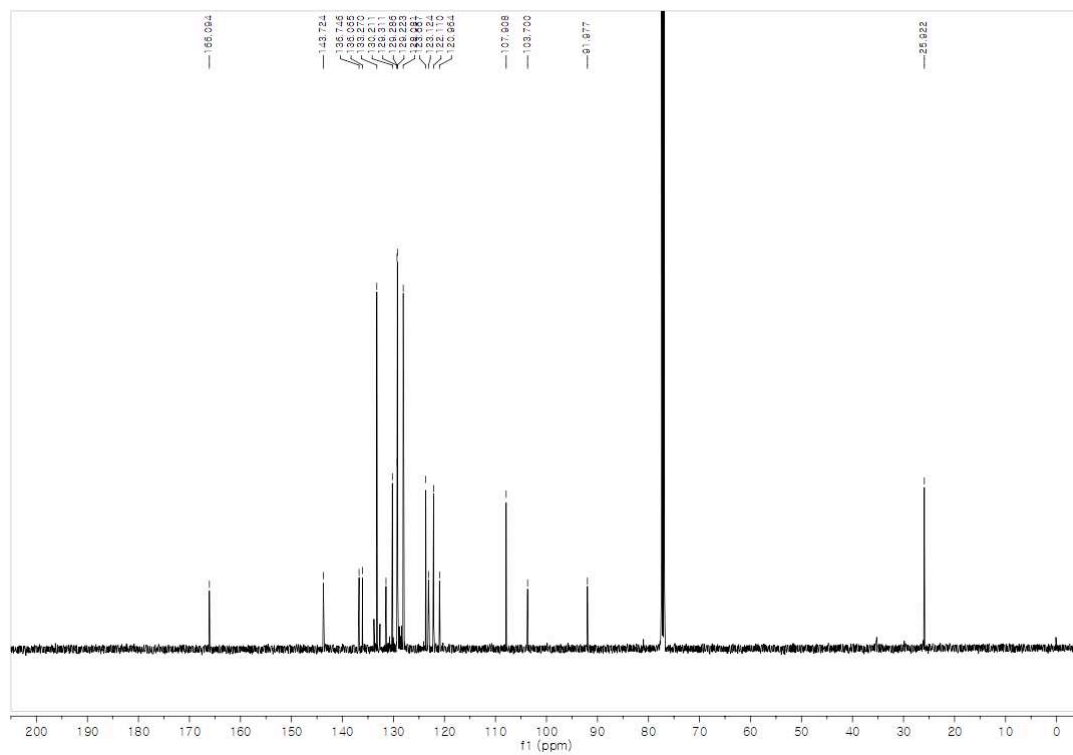


(E)-3-(3-(4-Chlorophenyl)-1-phenylprop-2-yn-1-ylidene)-1-methylindolin-2-one ((E)-9c)

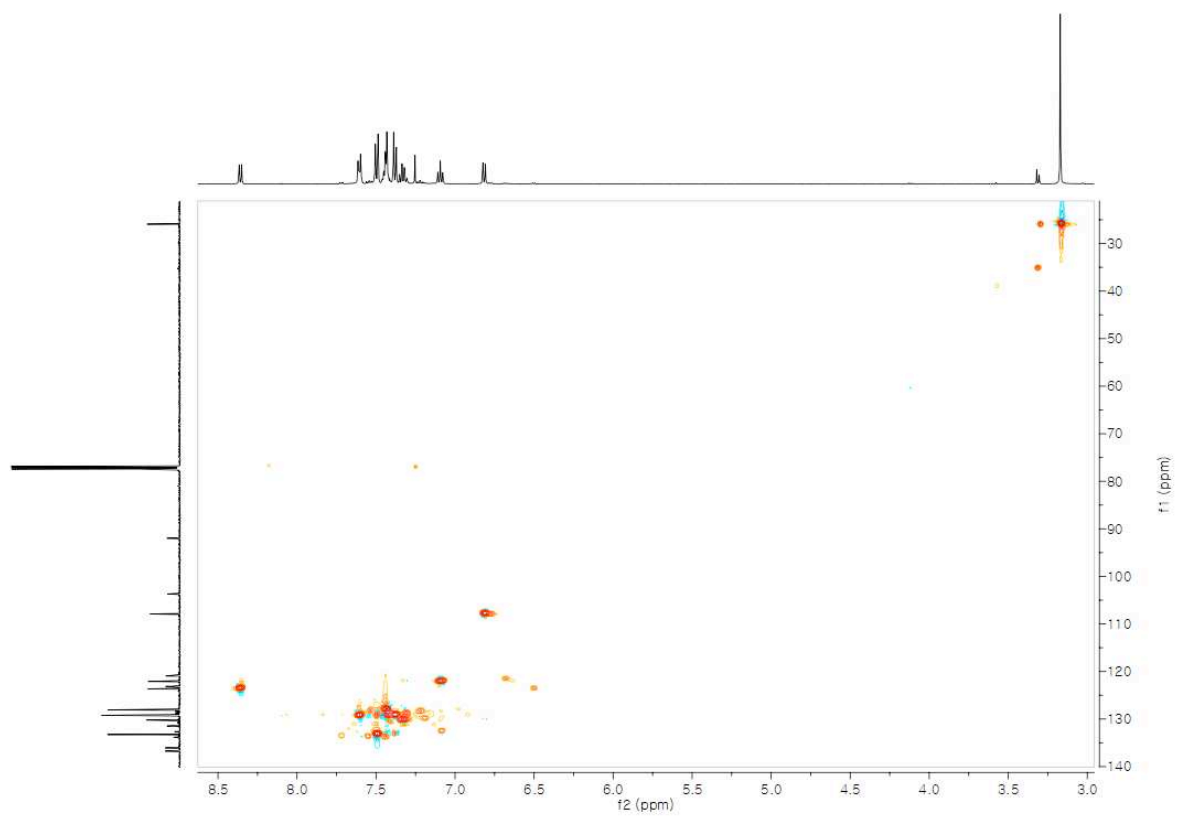
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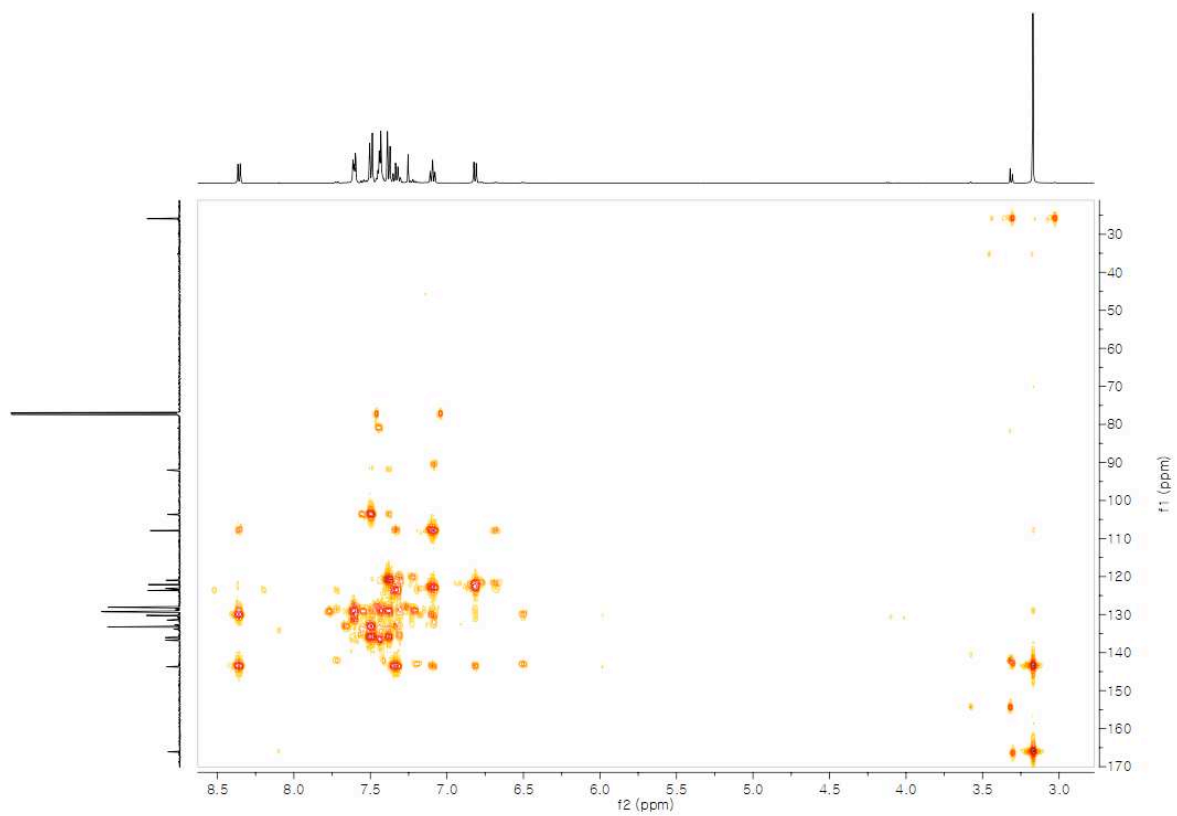
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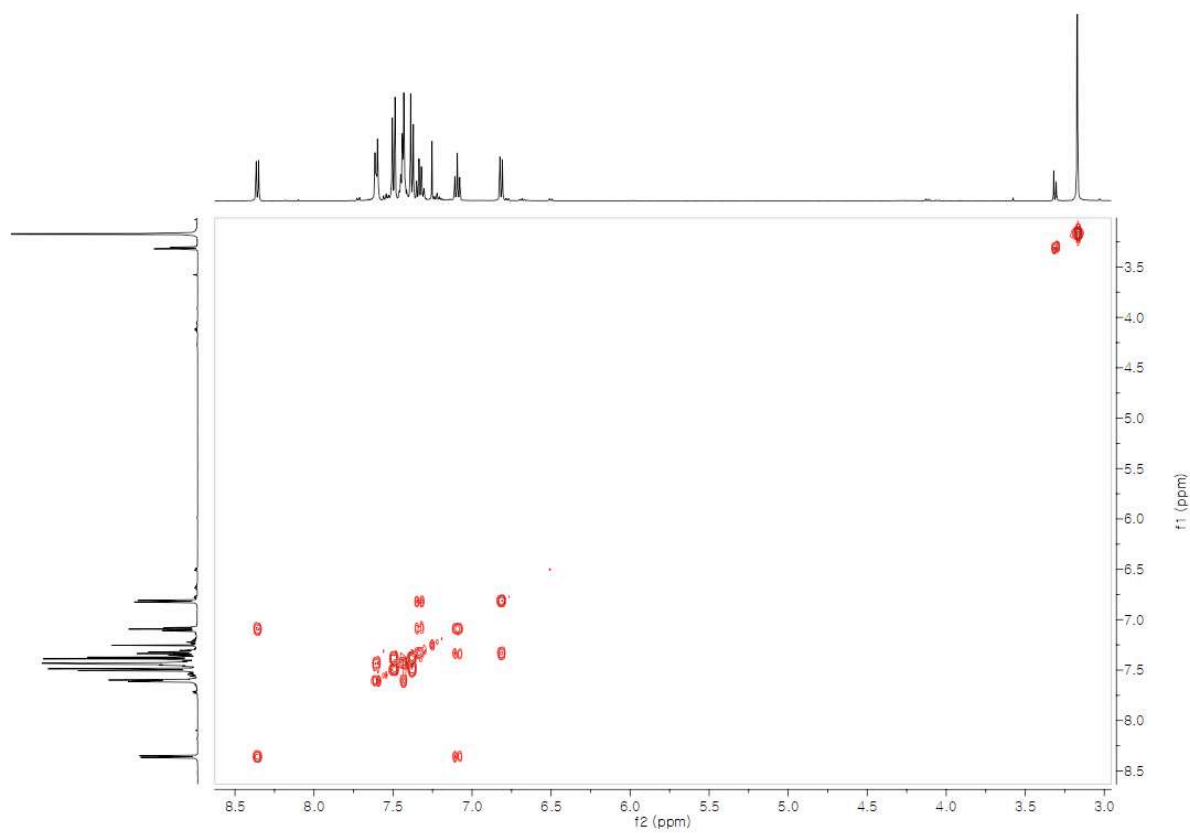
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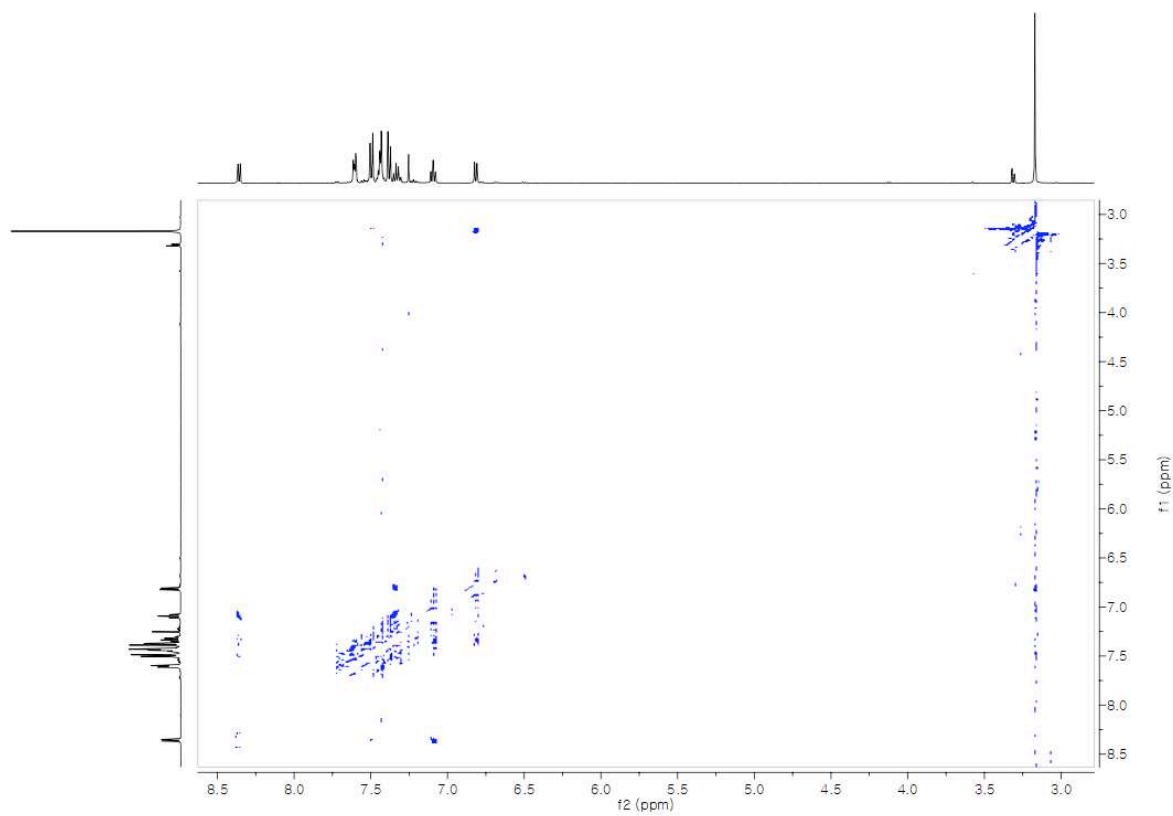
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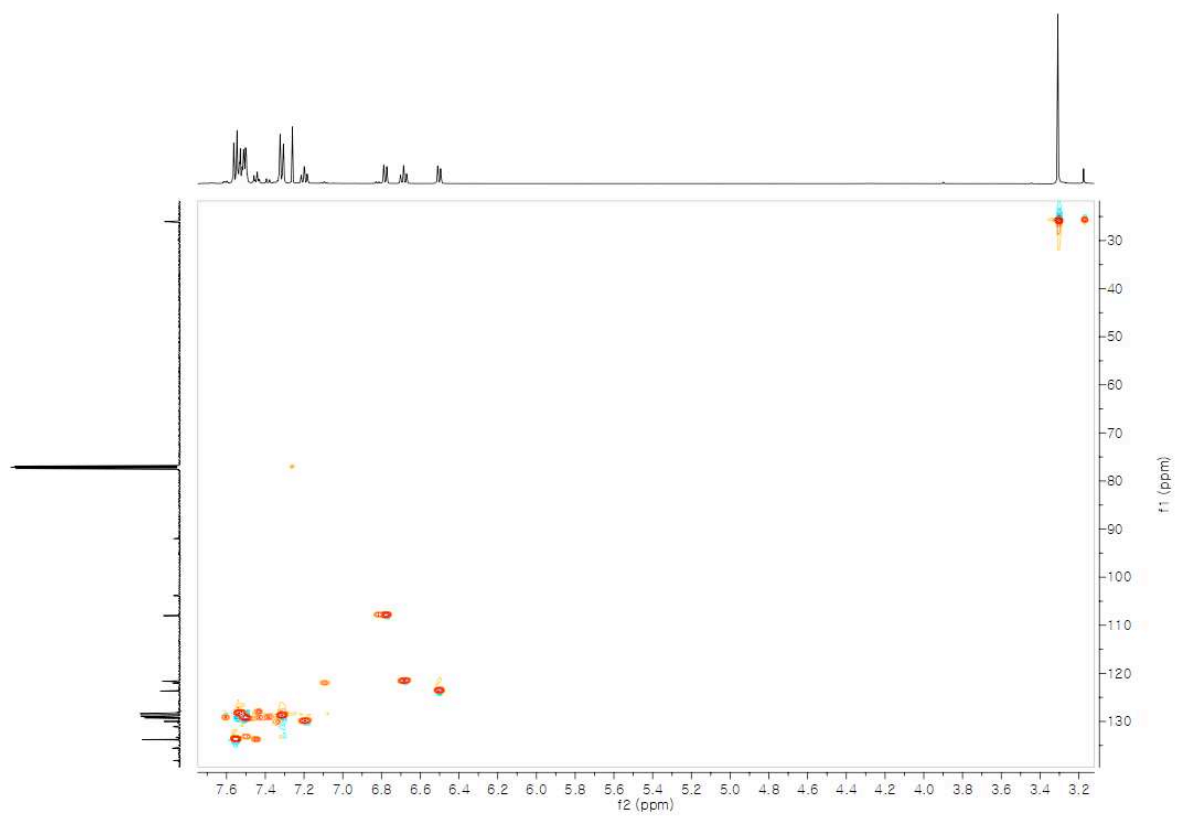
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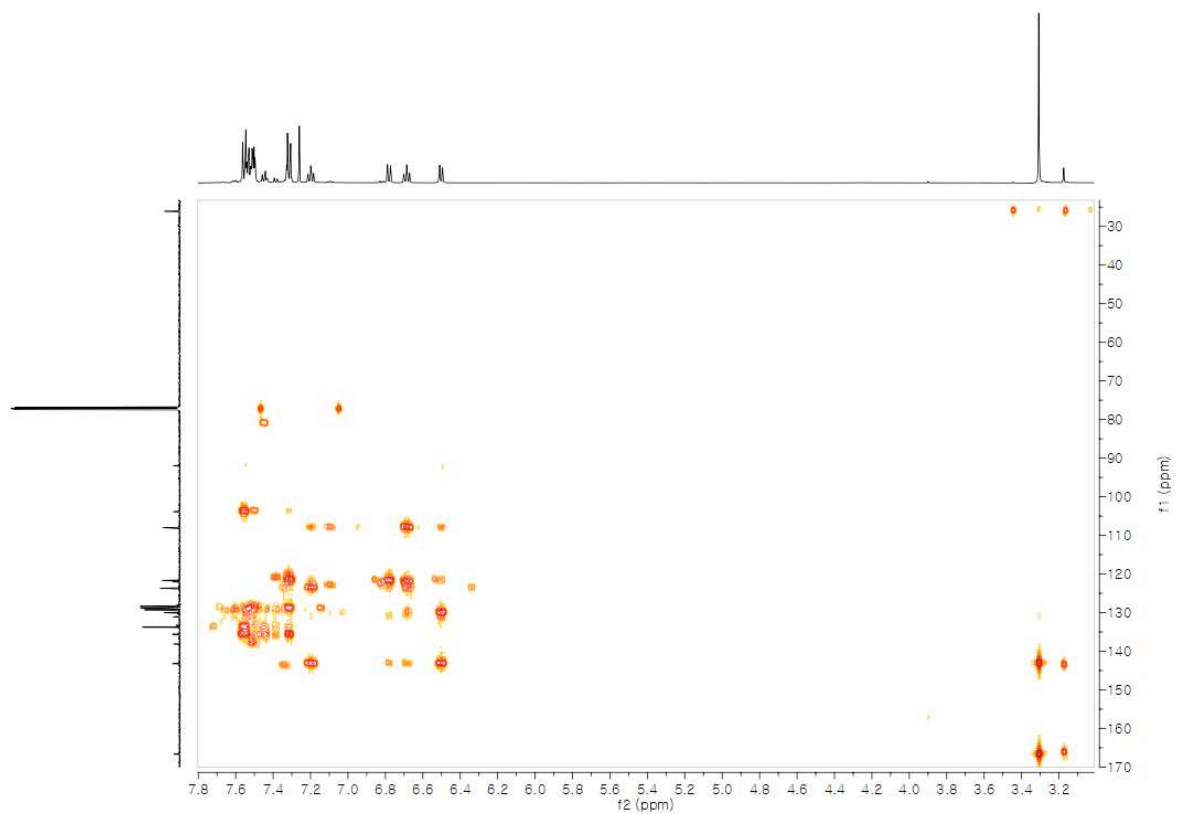
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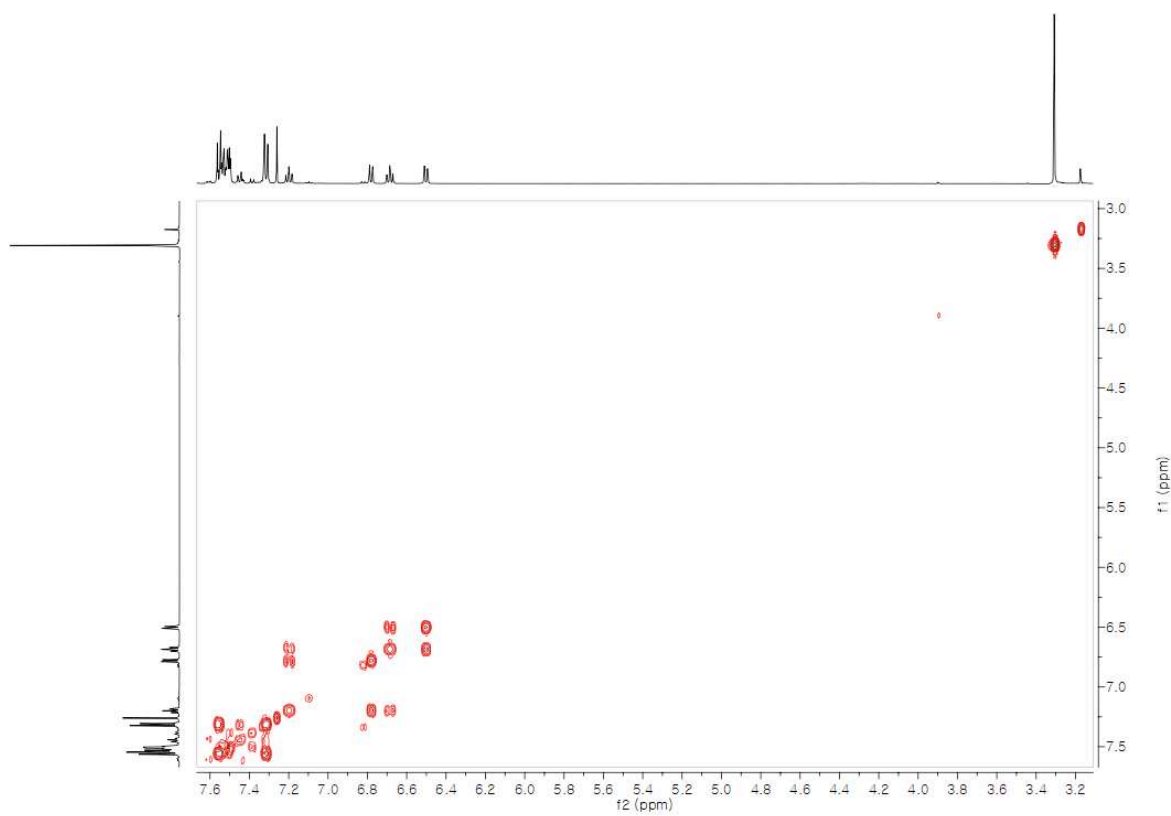
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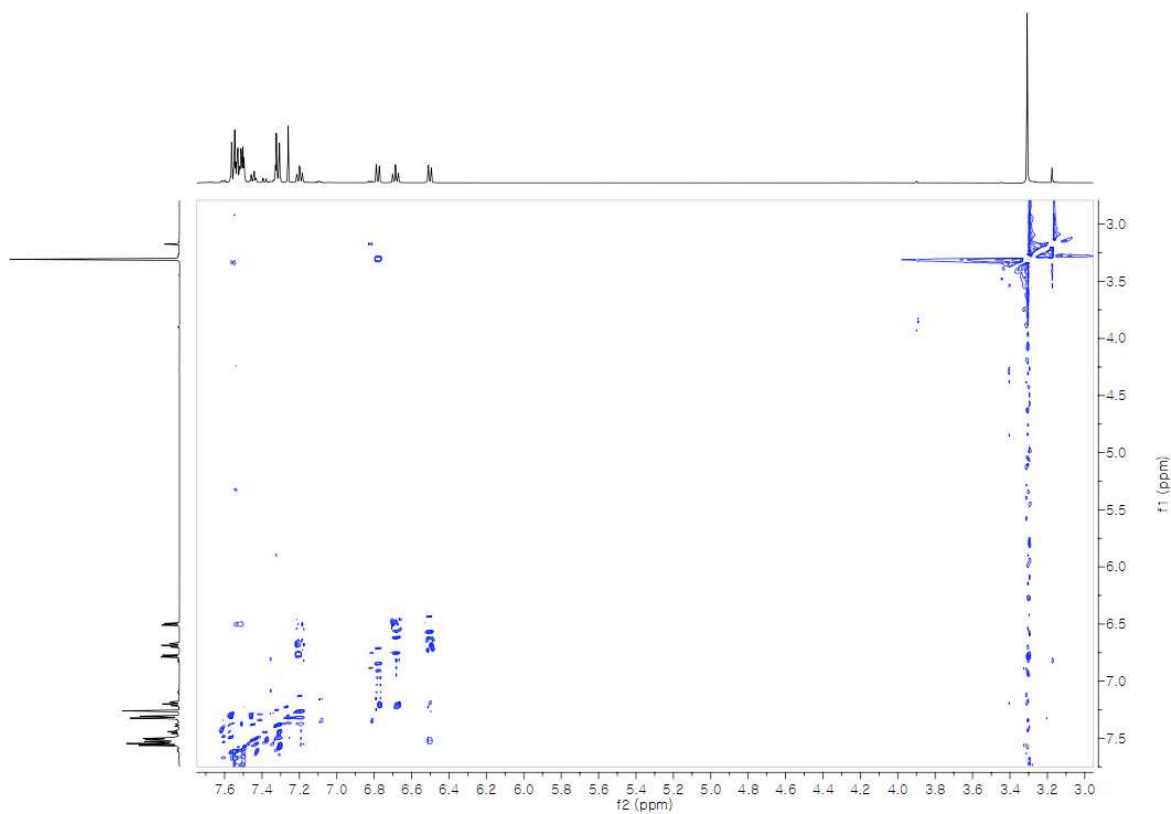
HMBC spectrum of (Z)-9c



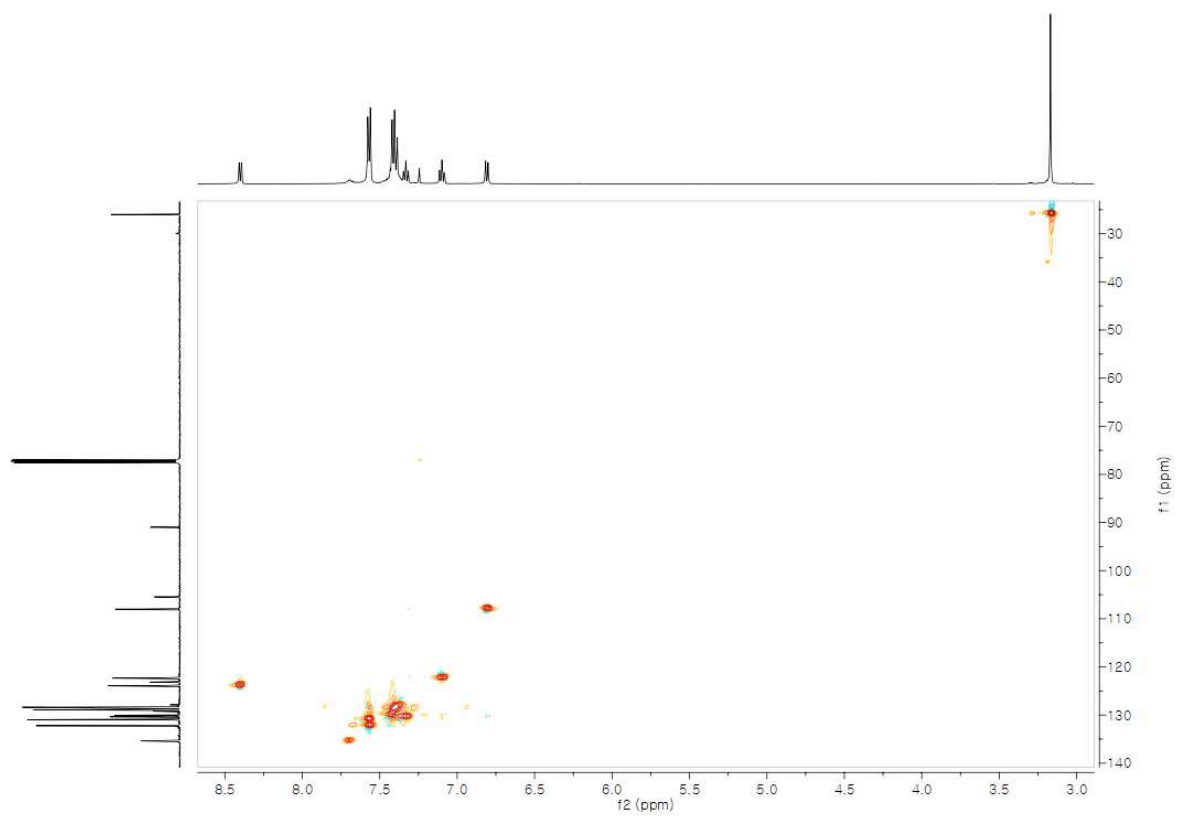
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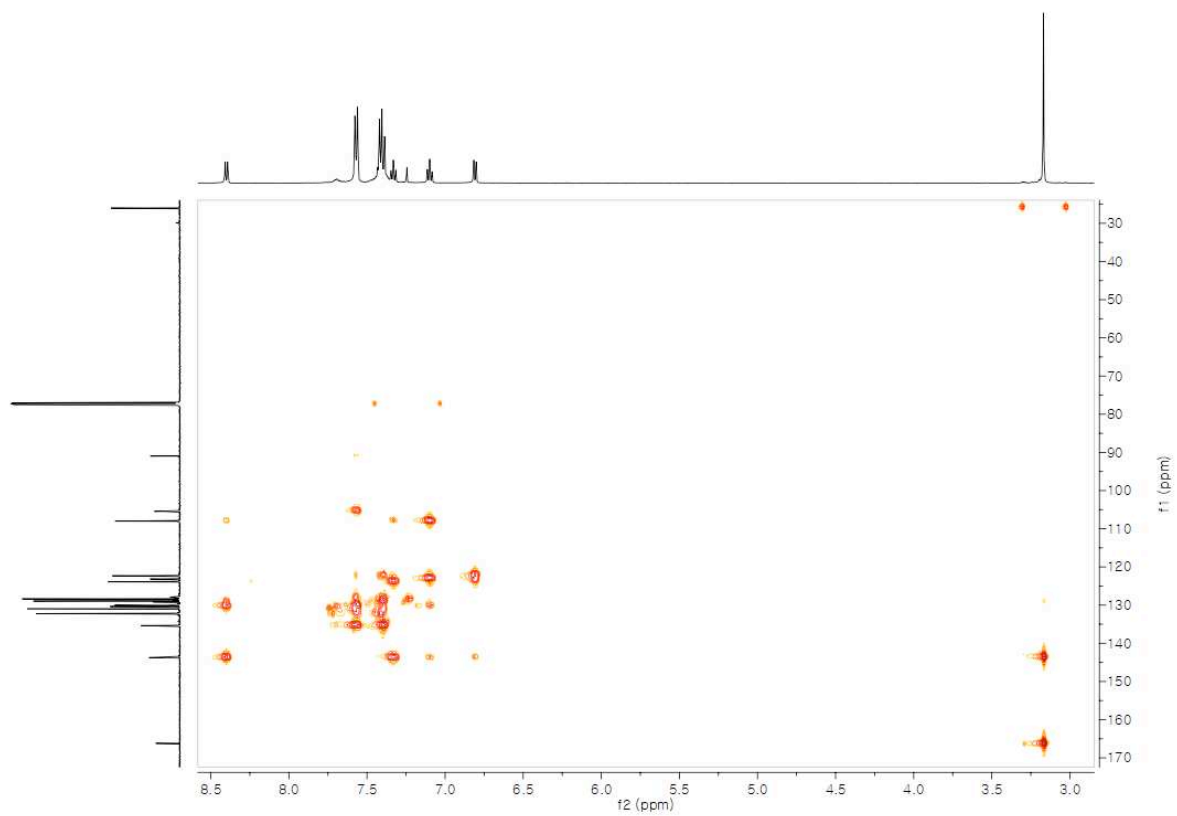
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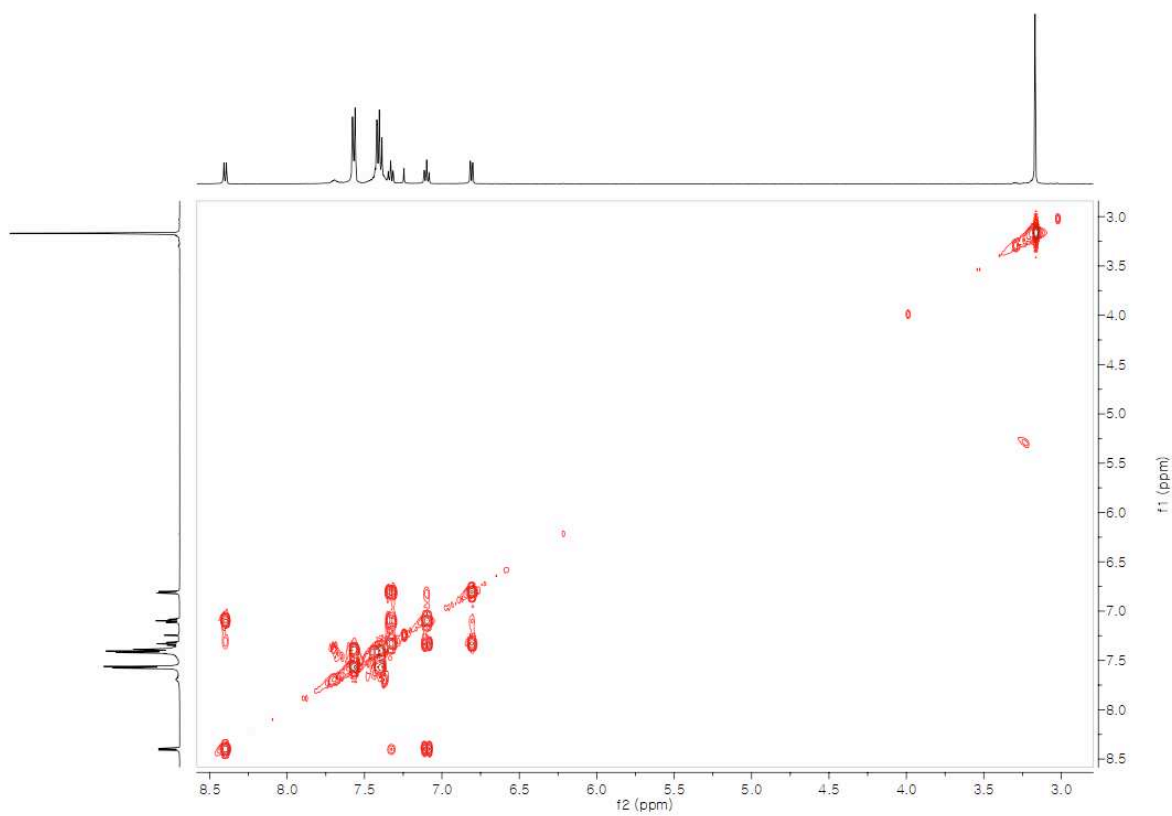
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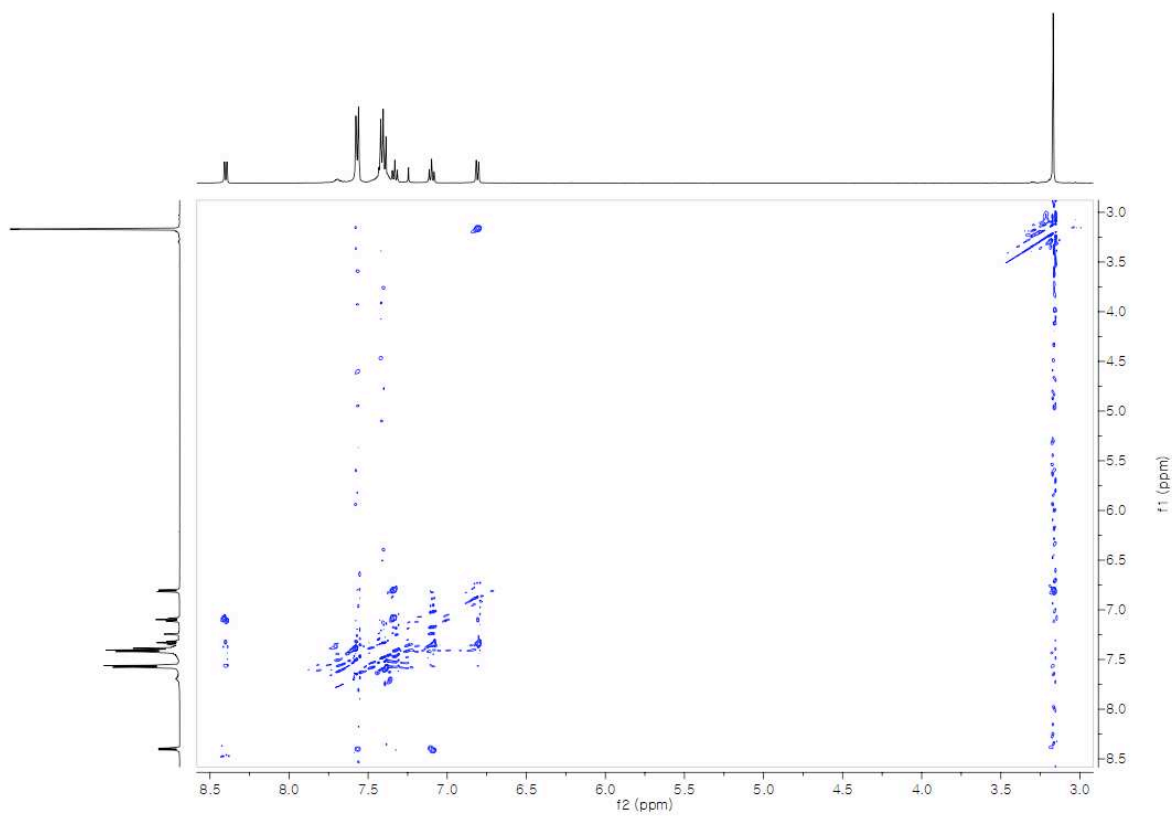
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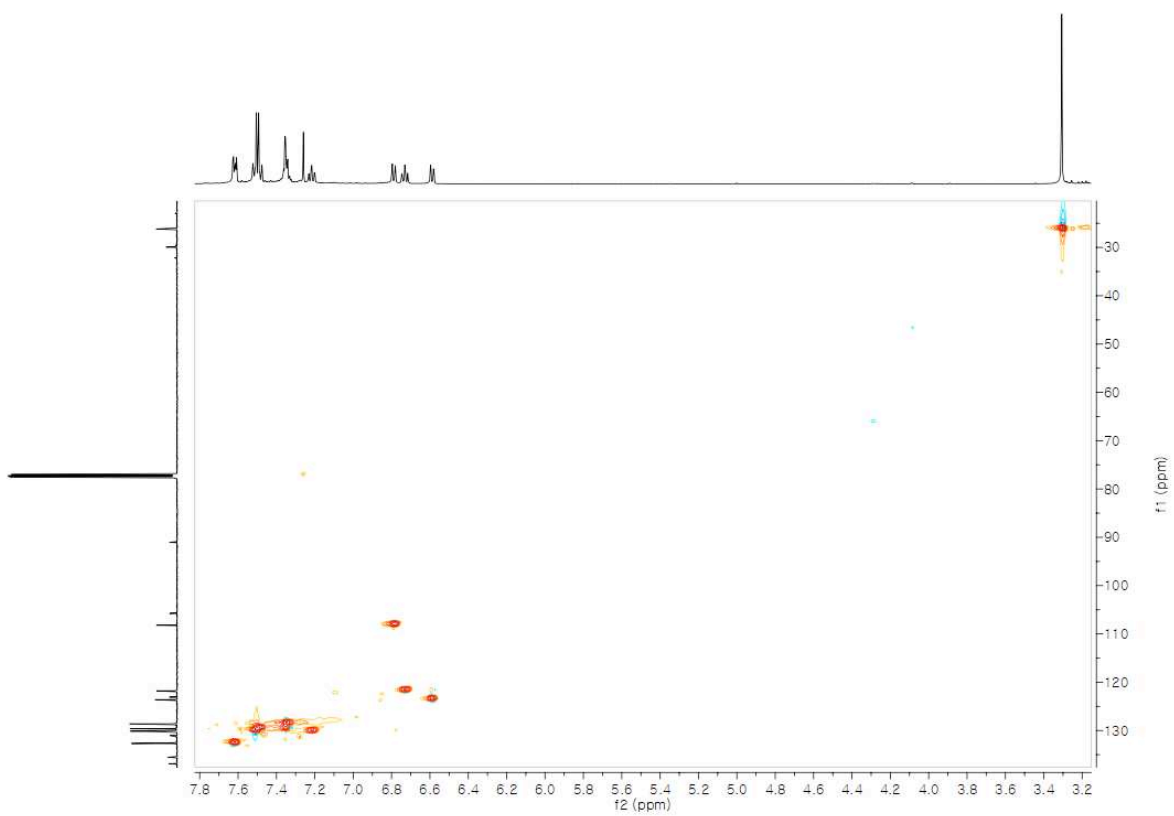
COSY spectrum of (*E*)-9d



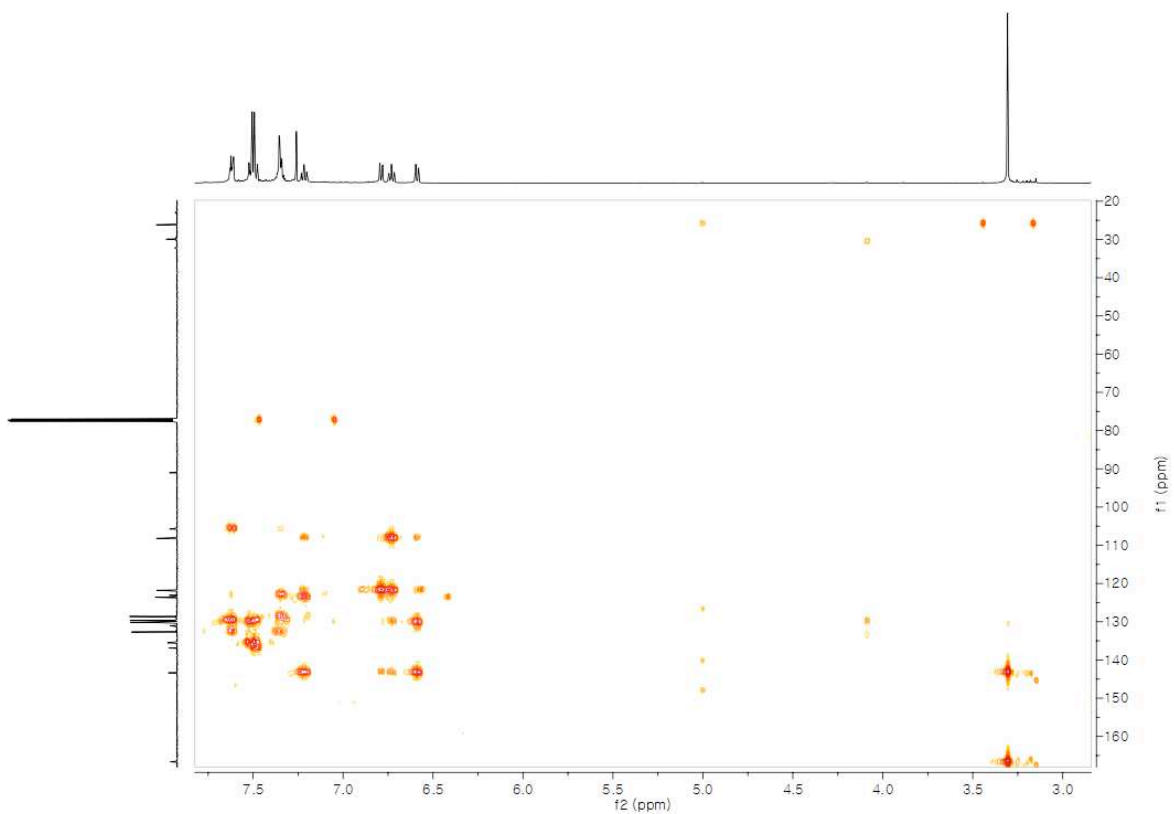
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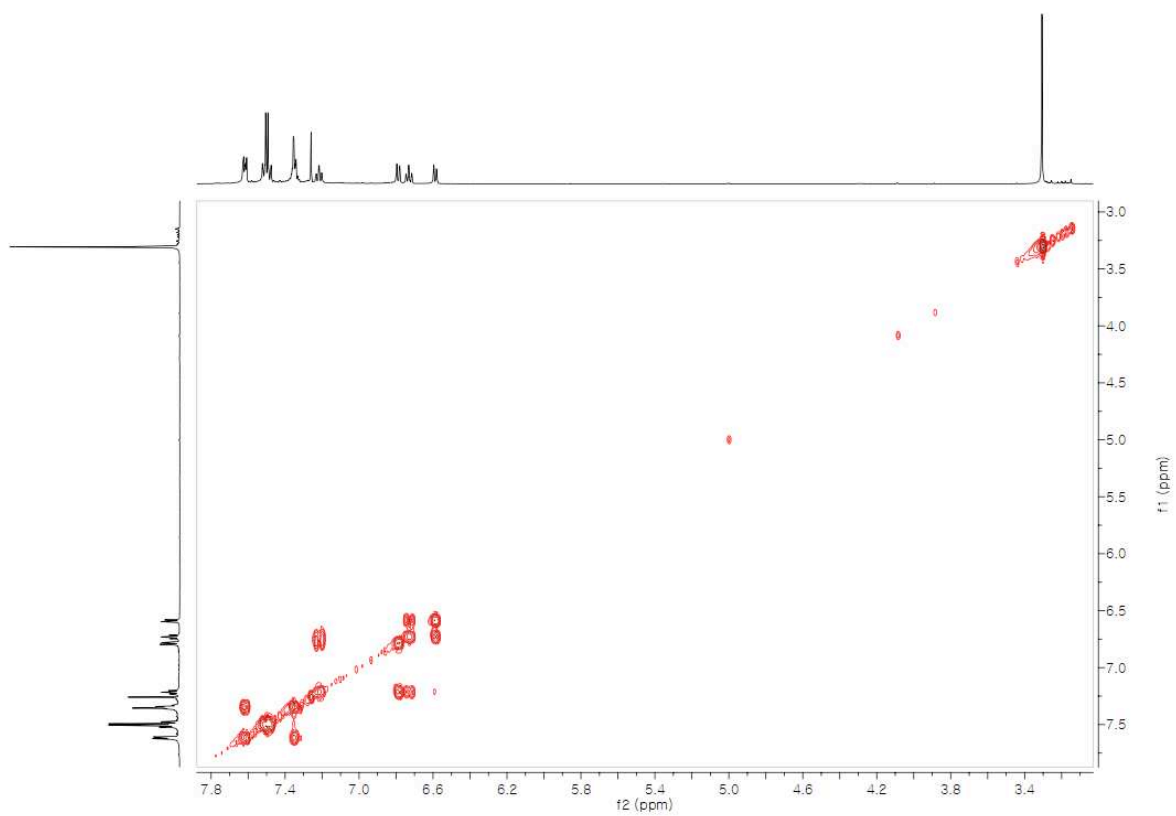
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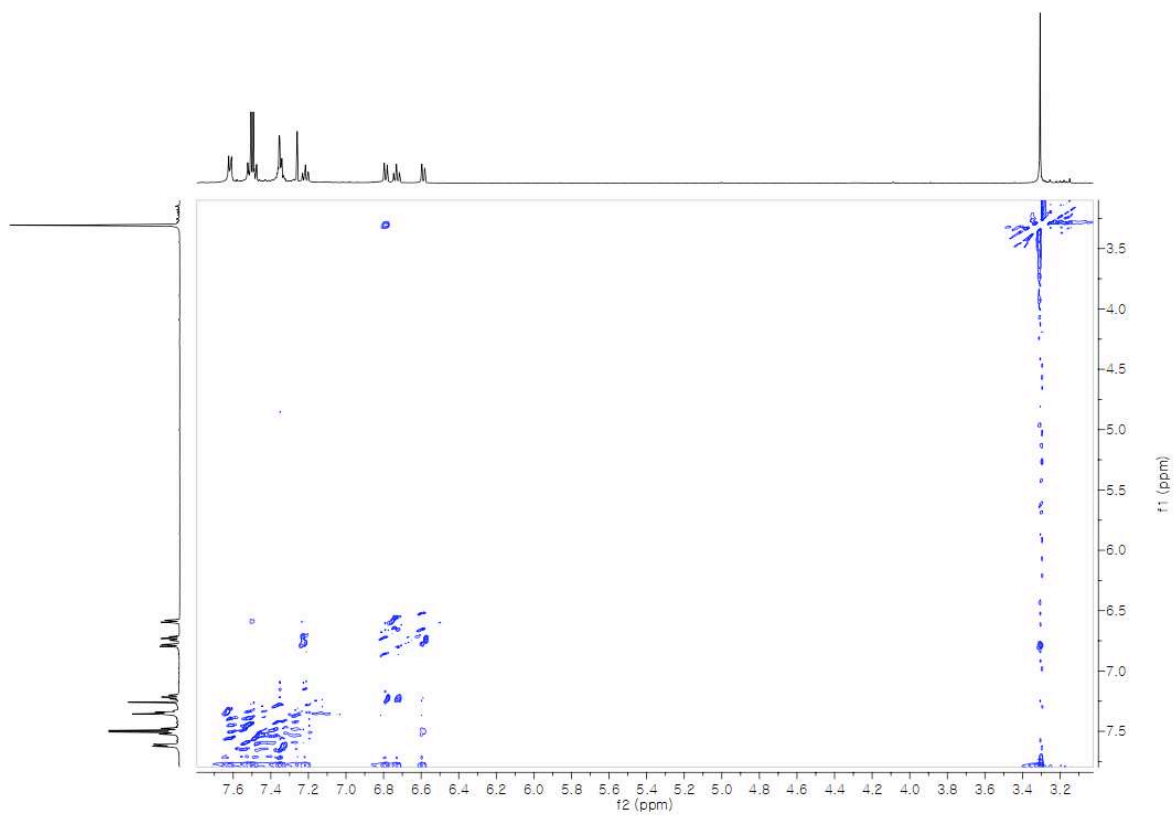
HMBC spectrum of (Z)-9d



COSY spectrum of (Z)-9d

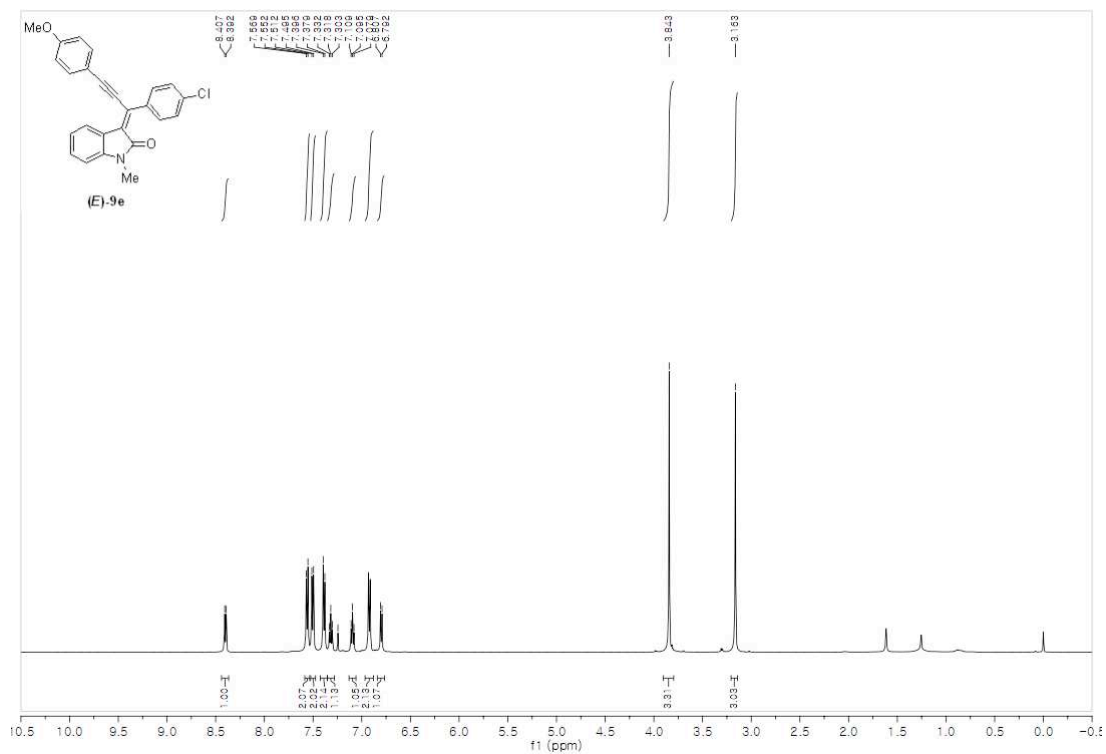


ROESY spectrum of (Z)-9d

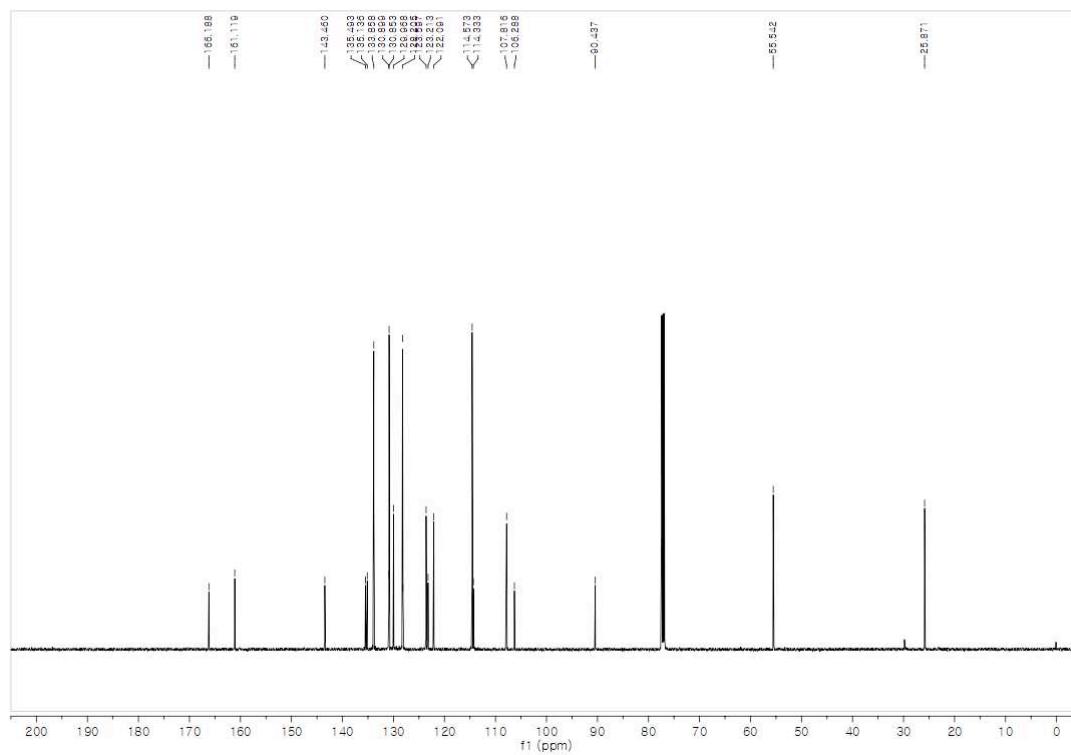


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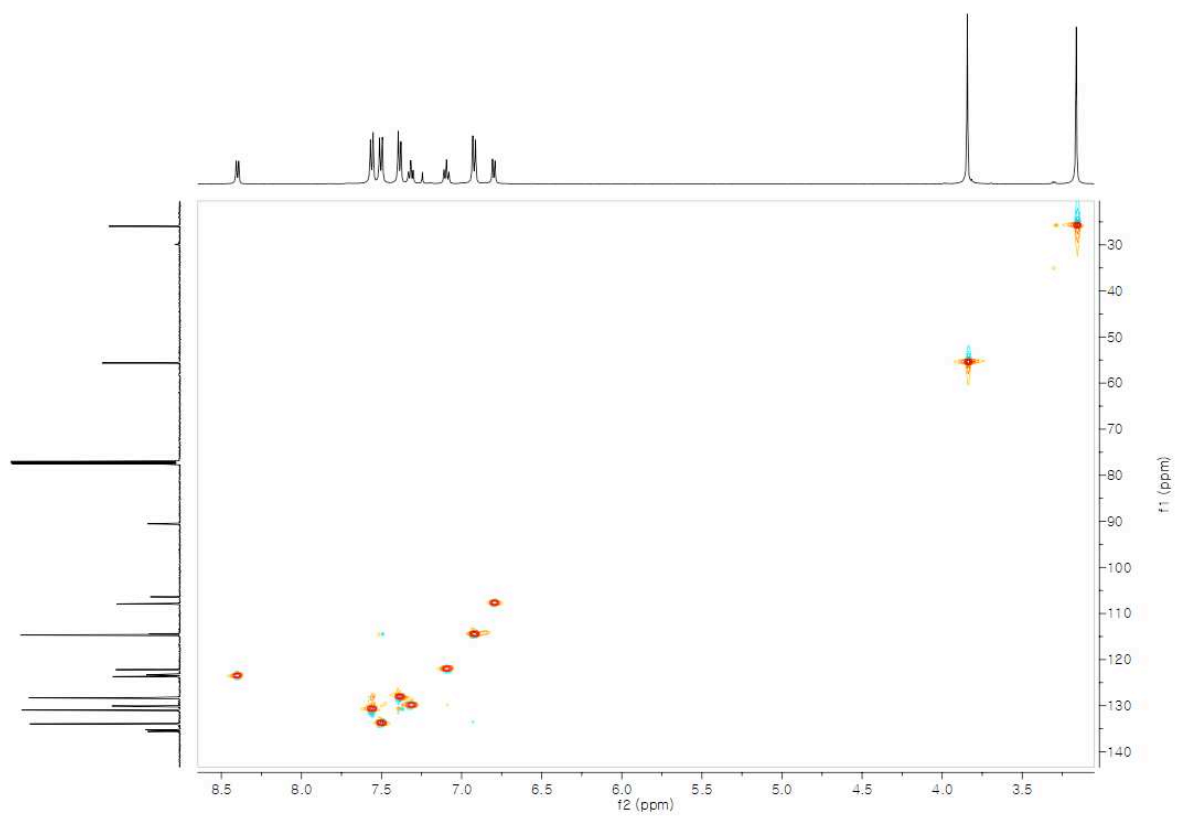
¹H NMR spectrum of (E)-9e



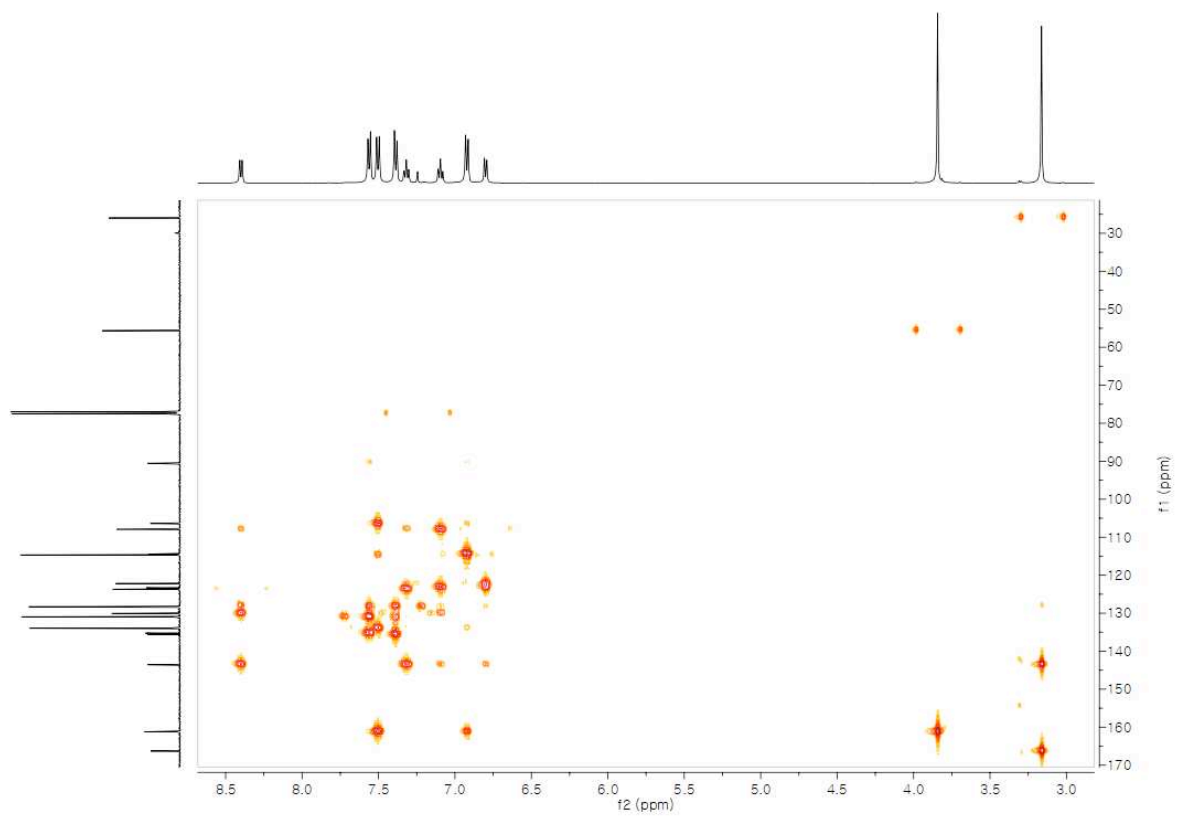
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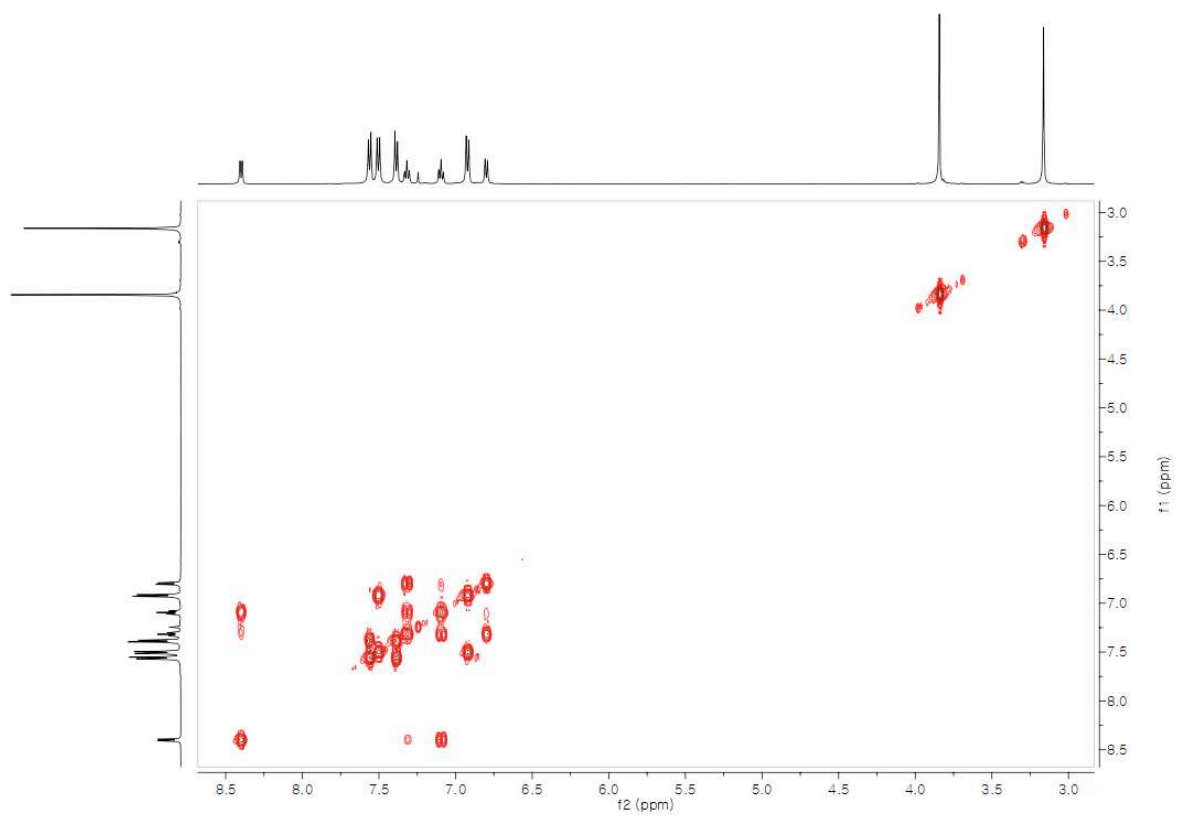
HSQC spectrum of (*E*)-9e



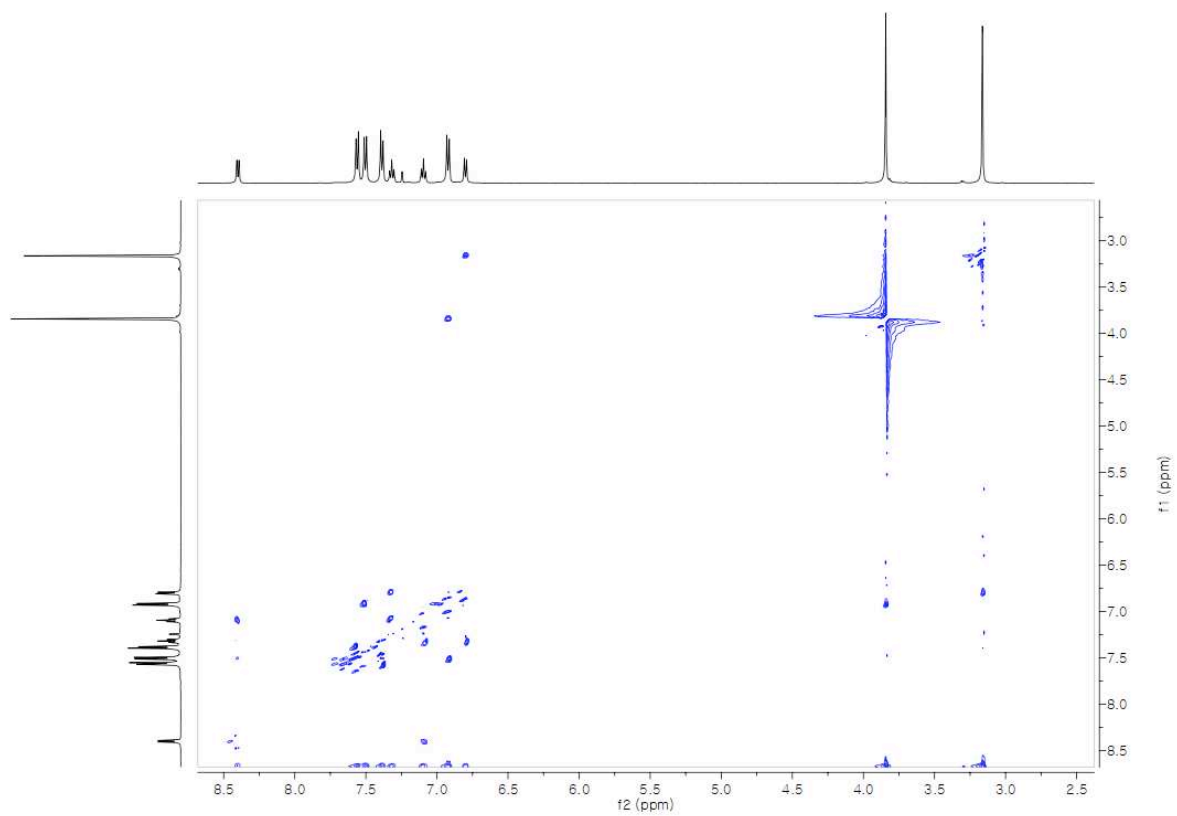
HMBC spectrum of (*E*)-9e



COSY spectrum of (*E*)-9e

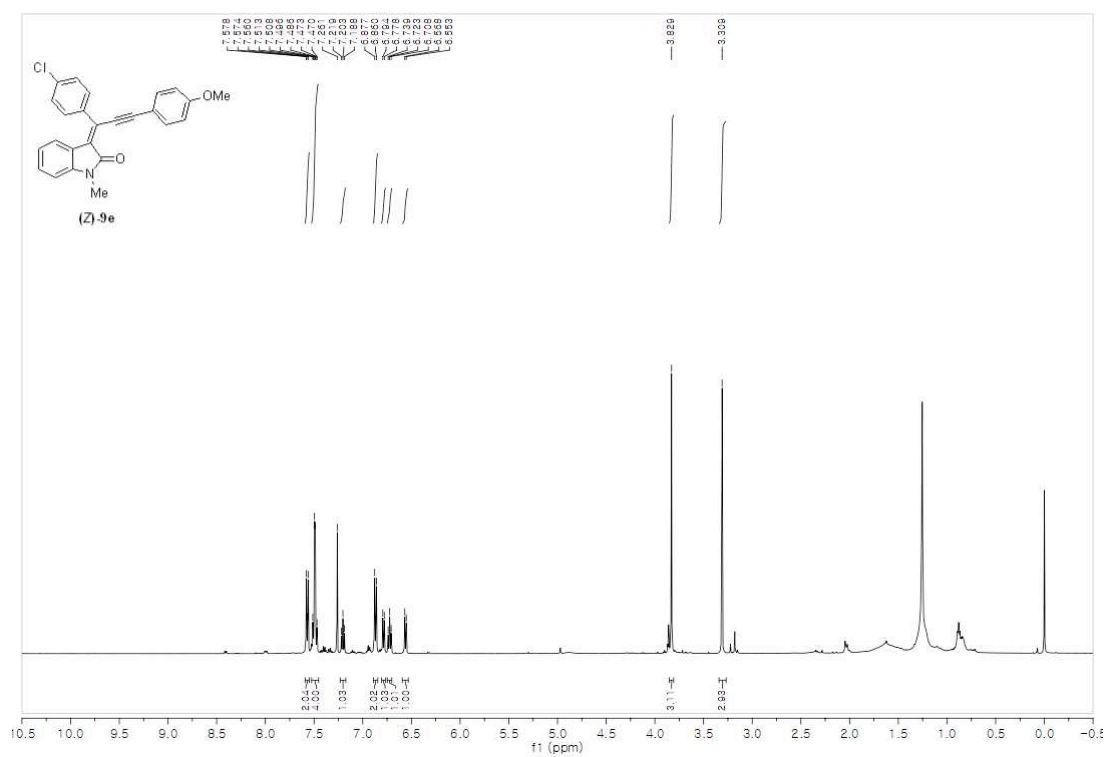


ROESY spectrum of (*E*)-9e

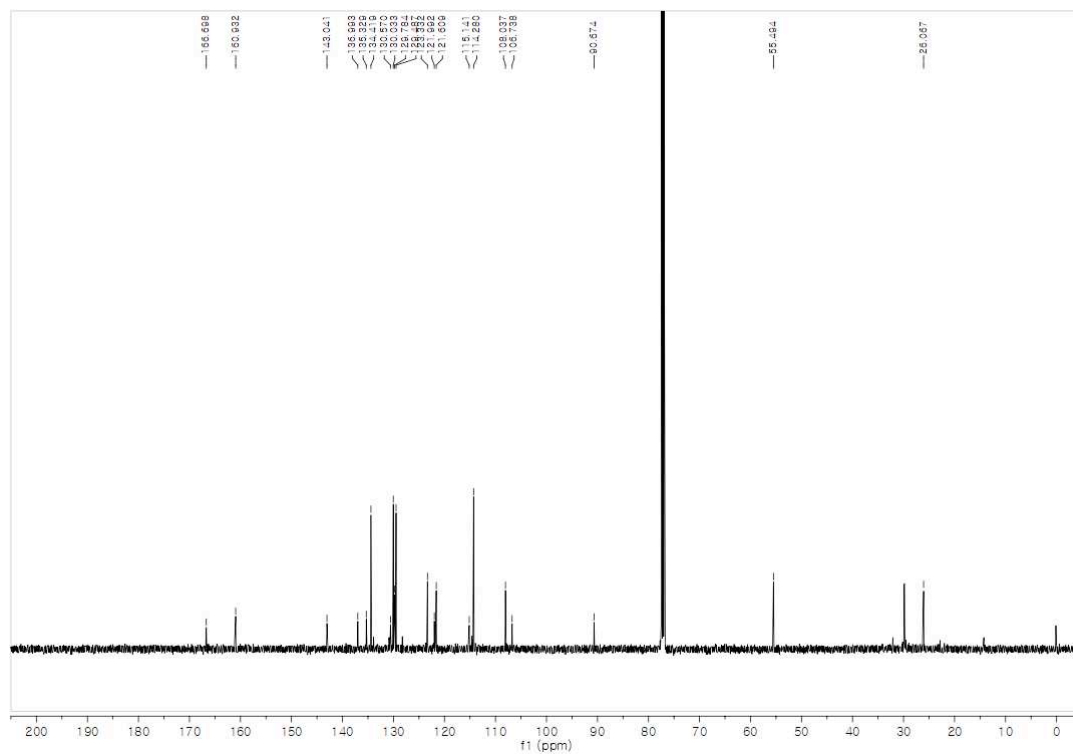


(Z)-3-(1-(4-Chlorophenyl)-3-(4-methoxyphenyl)prop-2-yn-1-ylidene)-1-methylindolin-2-one ((Z)-9e)

¹H NMR spectrum of (Z)-9e

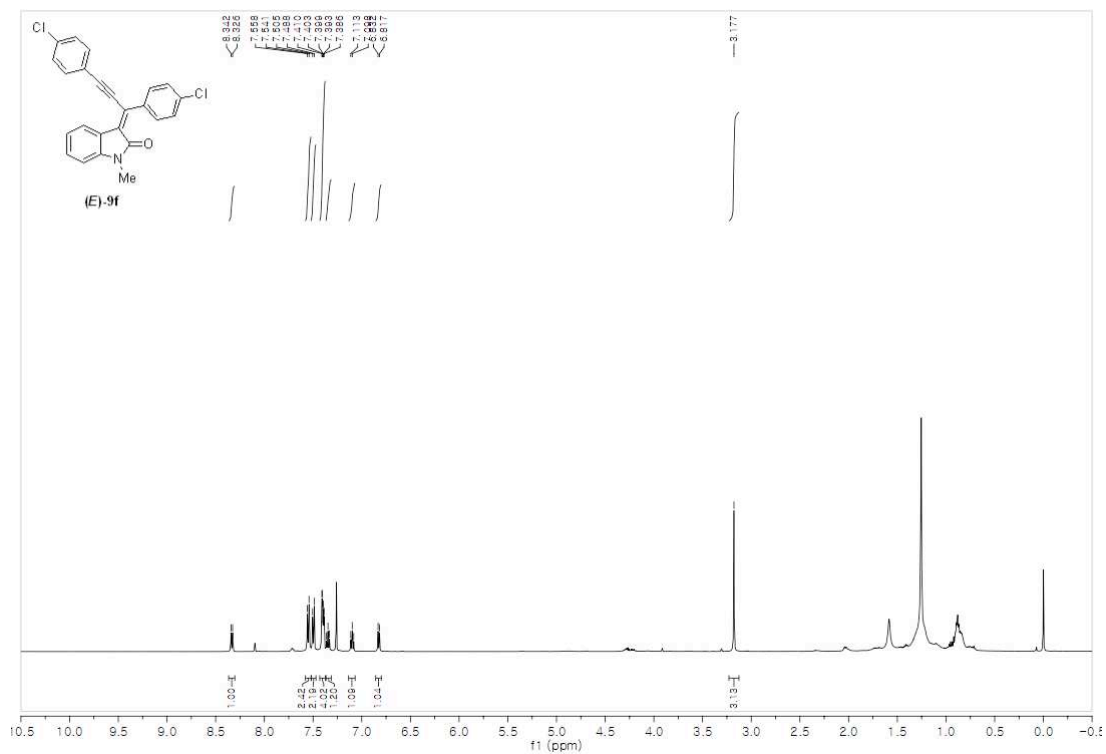


¹³C NMR spectrum of (Z)-9e

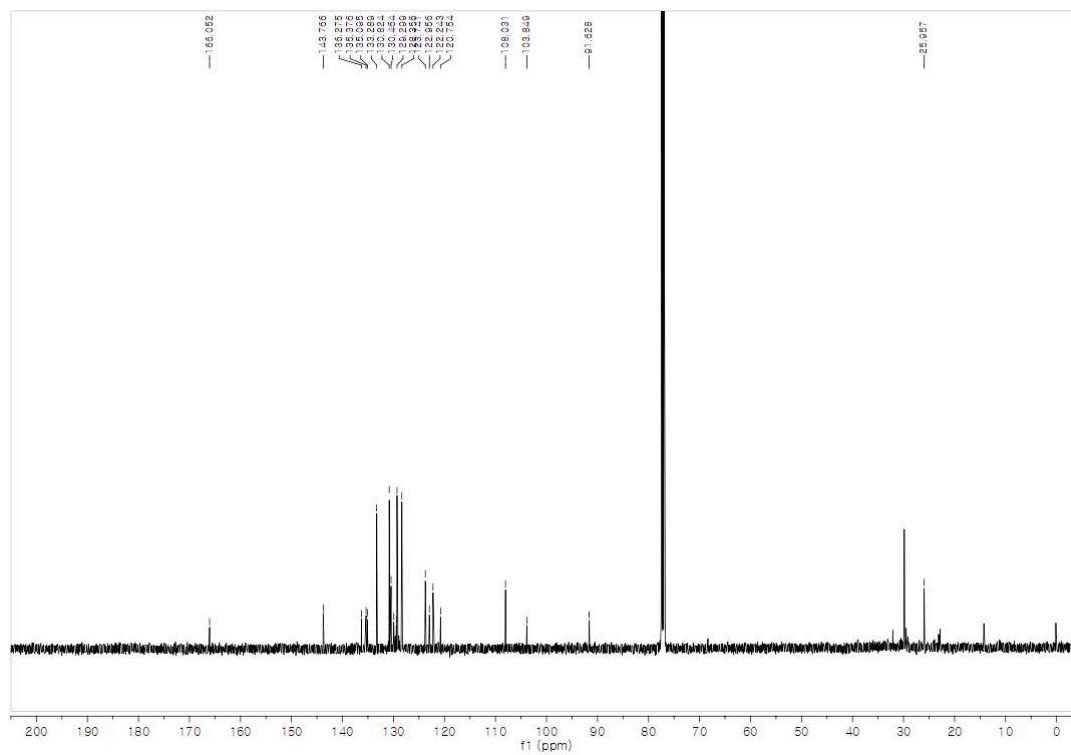


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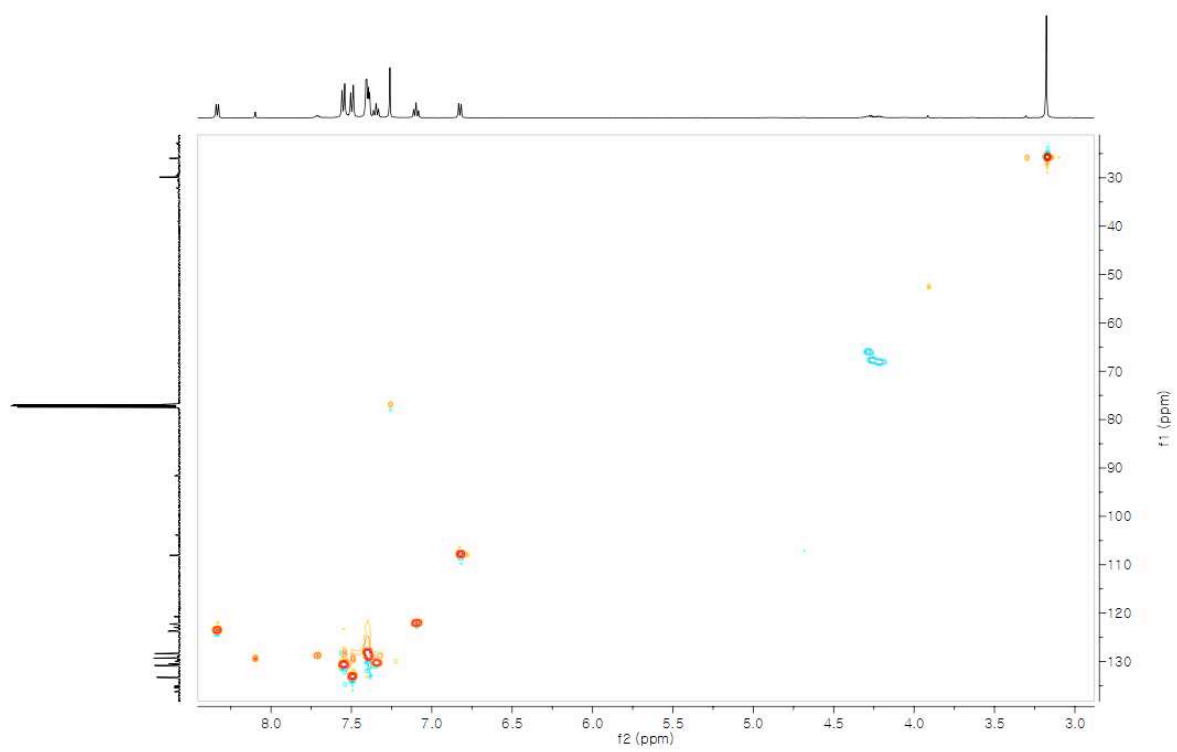
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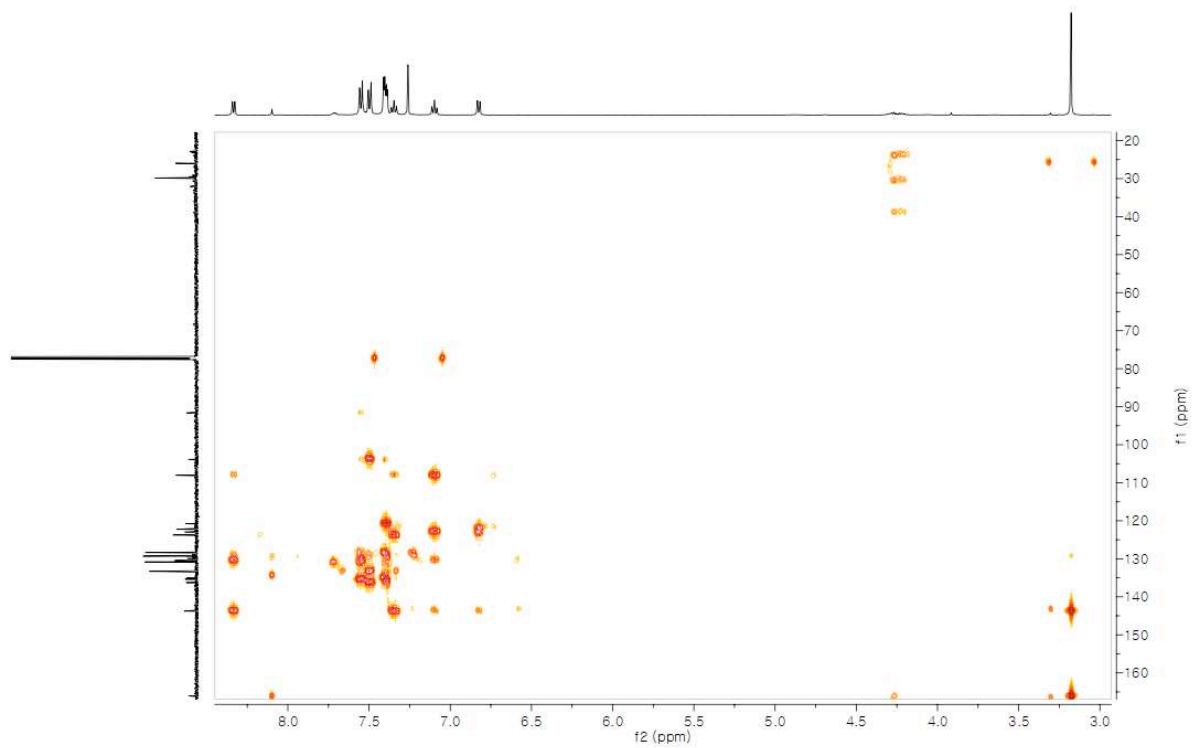
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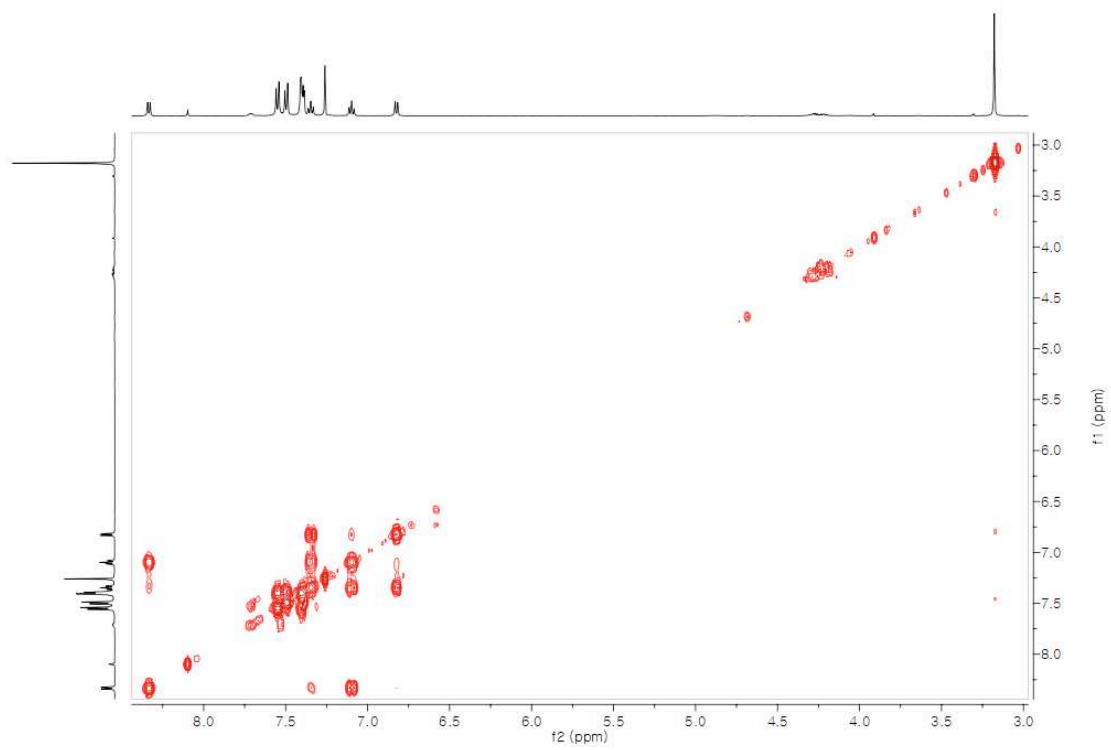
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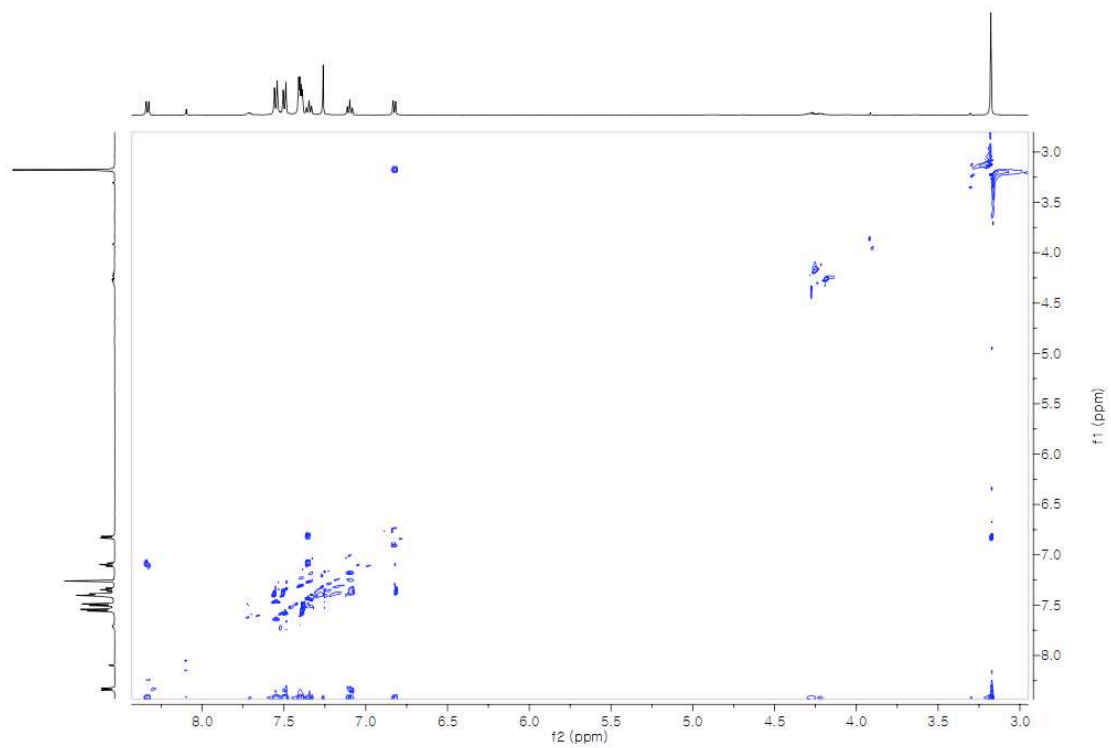
HMBC spectrum of (*E*)-9f



COSY spectrum of (*E*)-9f

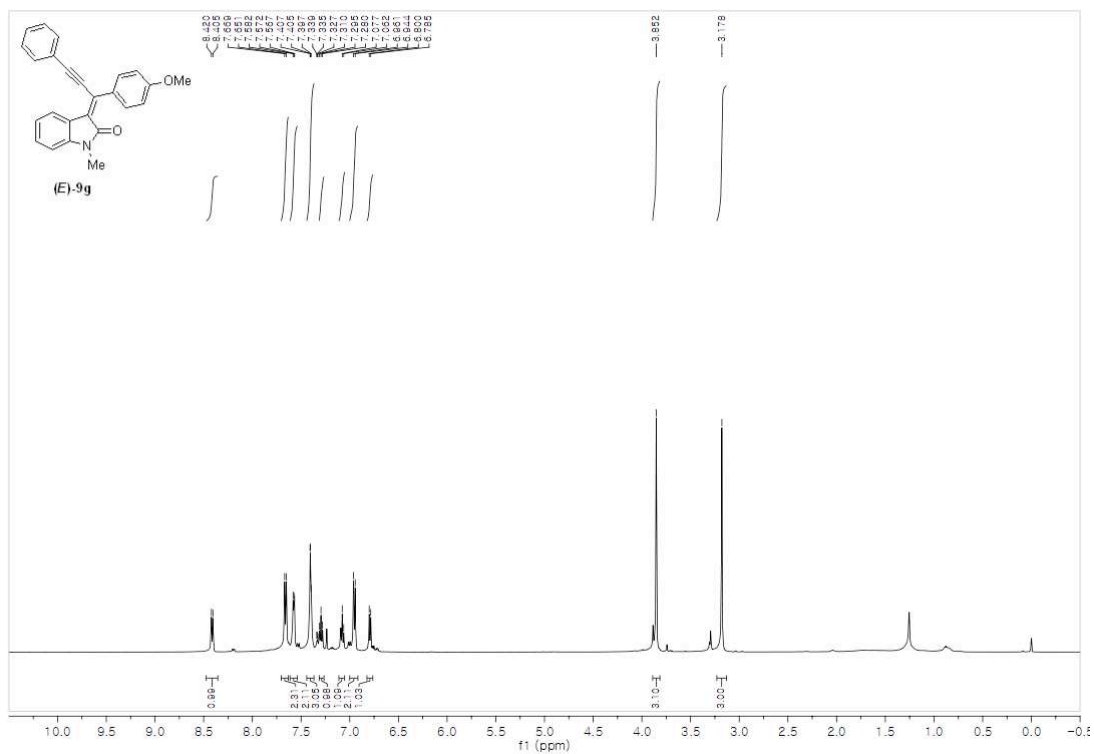


ROESY spectrum of (*E*)-9f

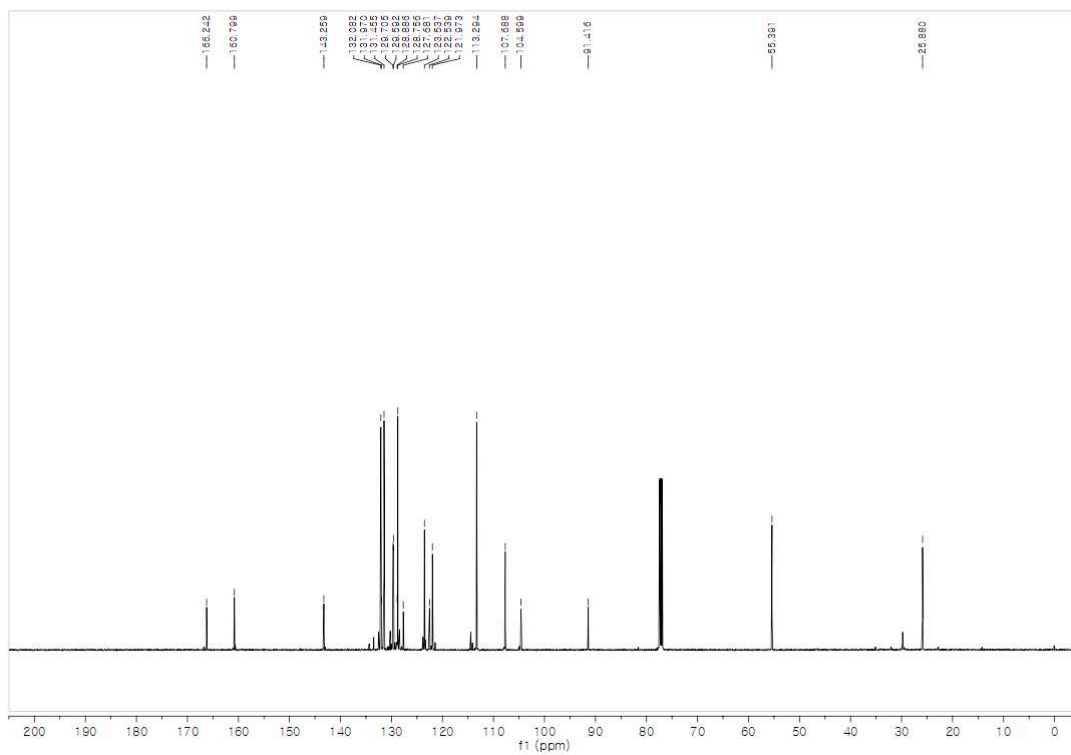


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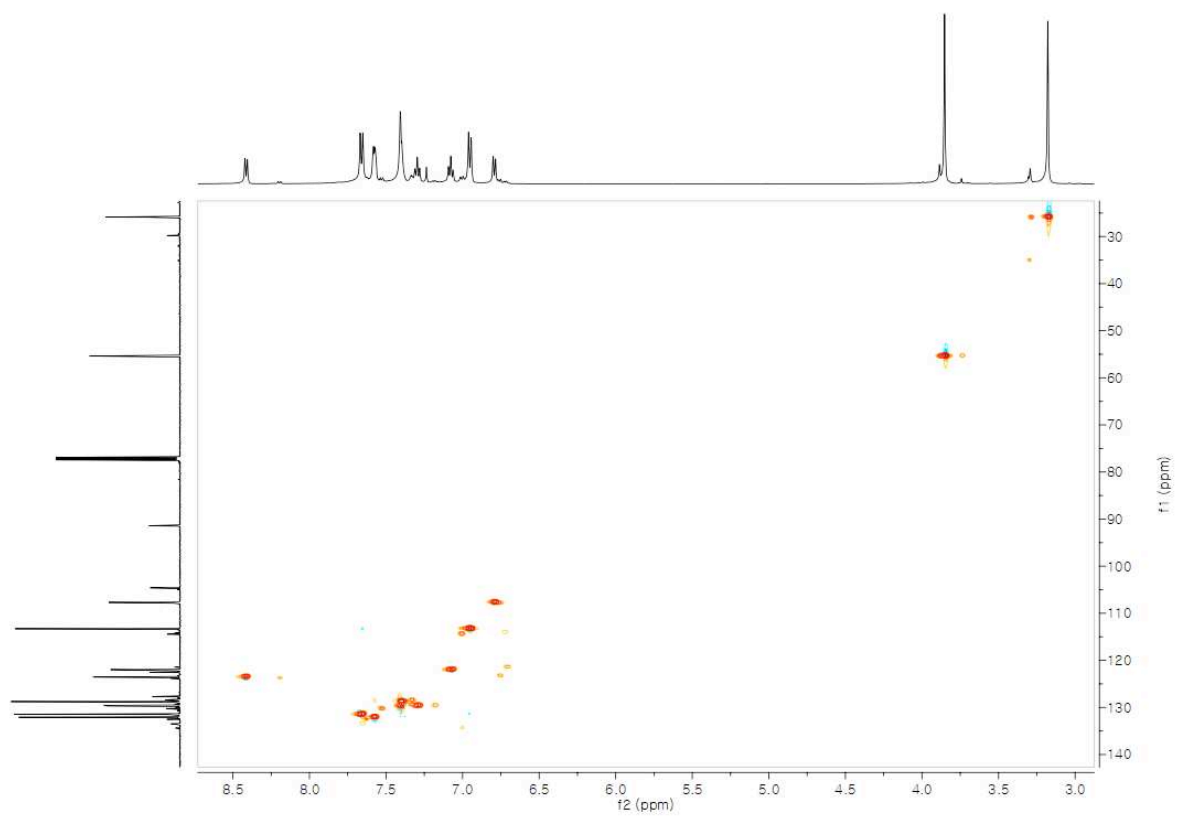
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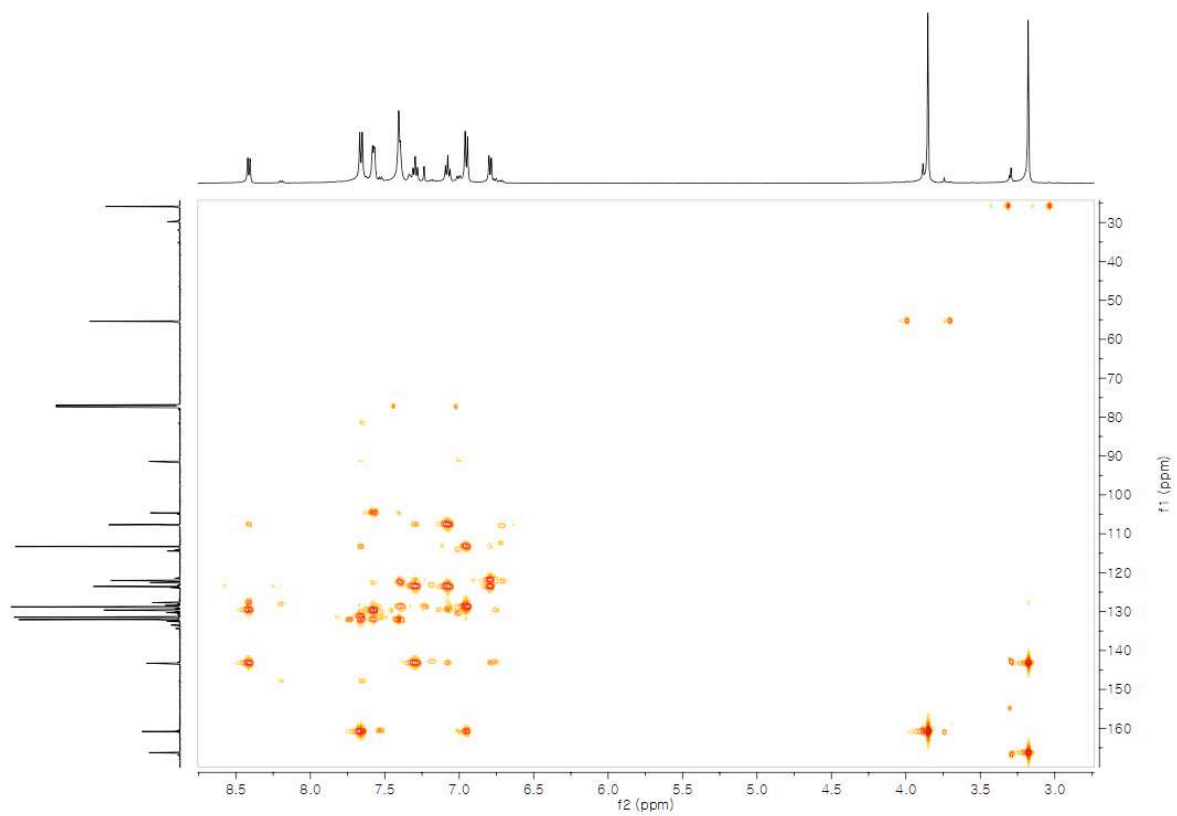
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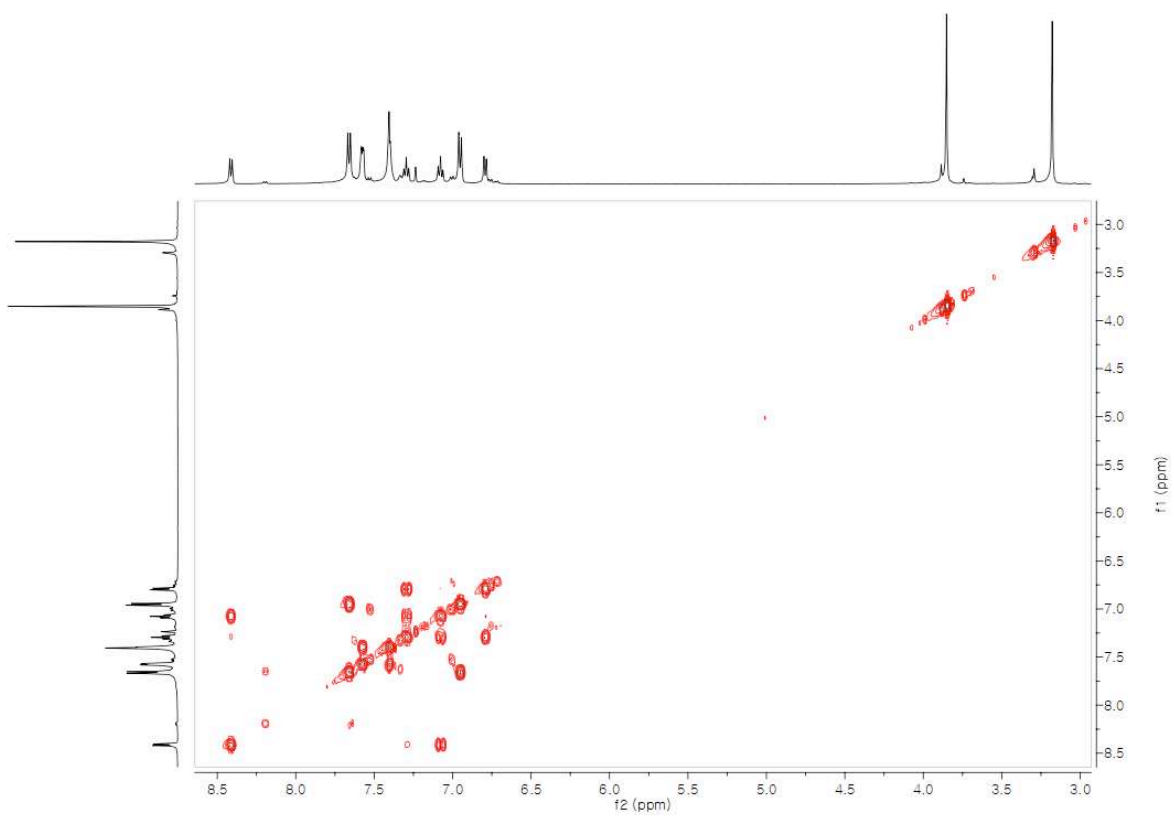
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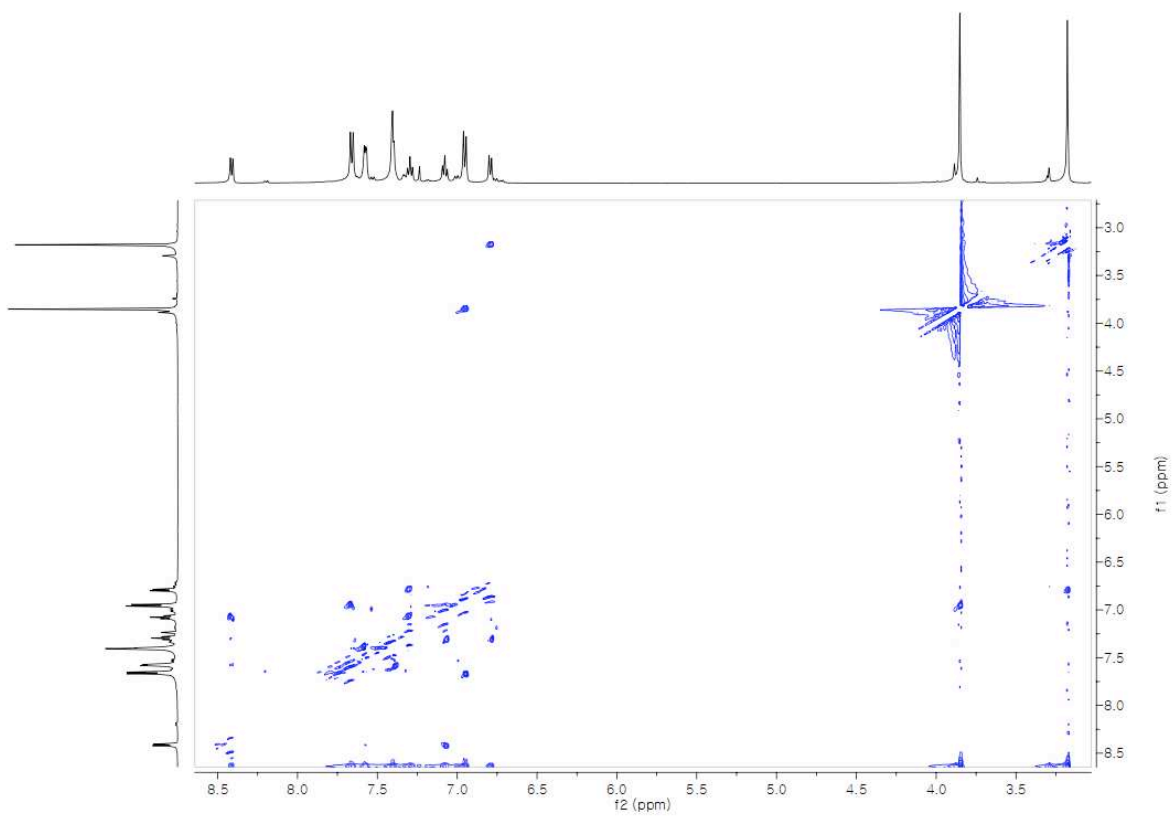
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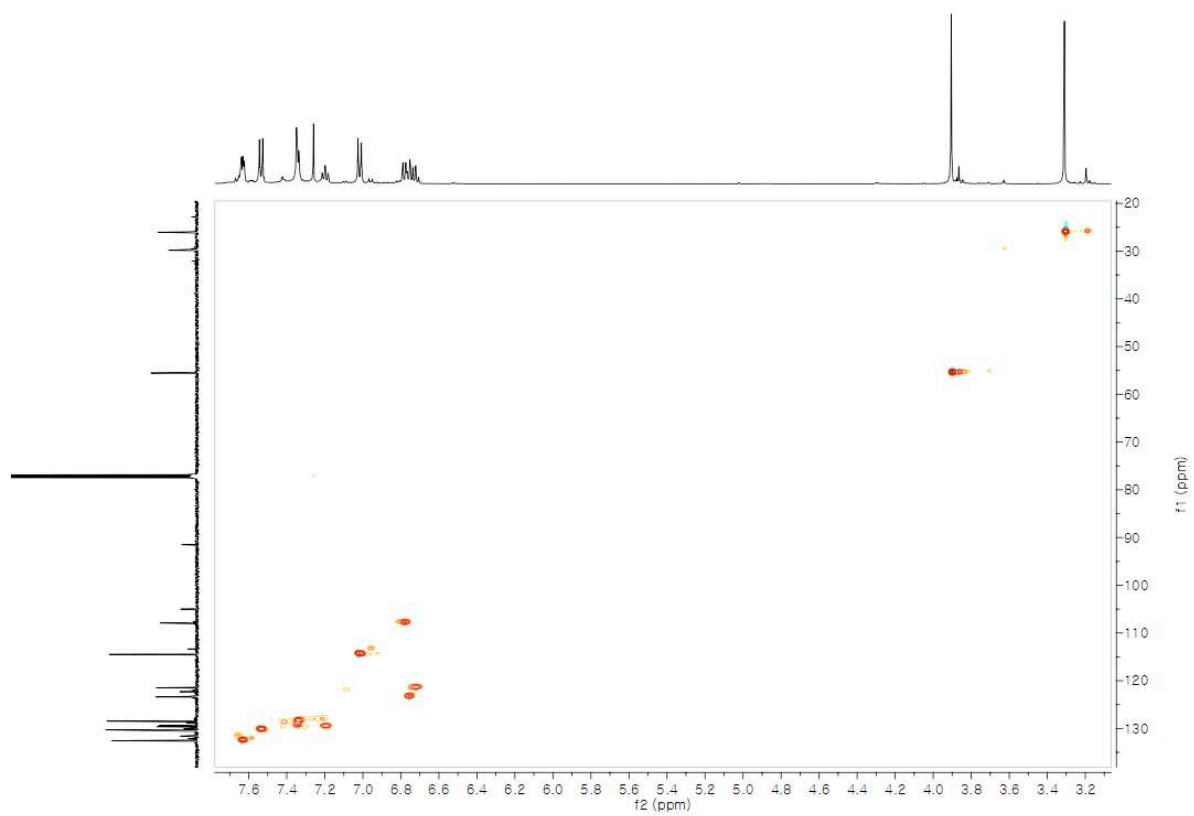
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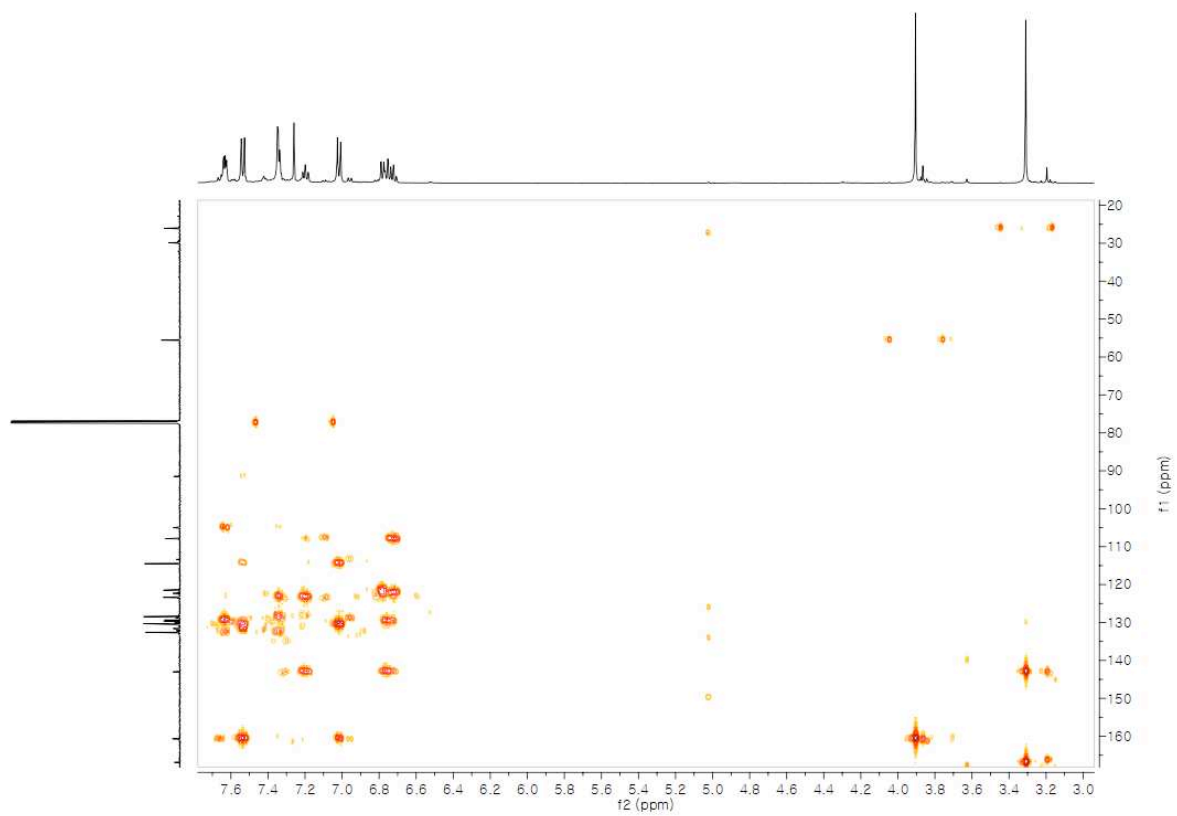
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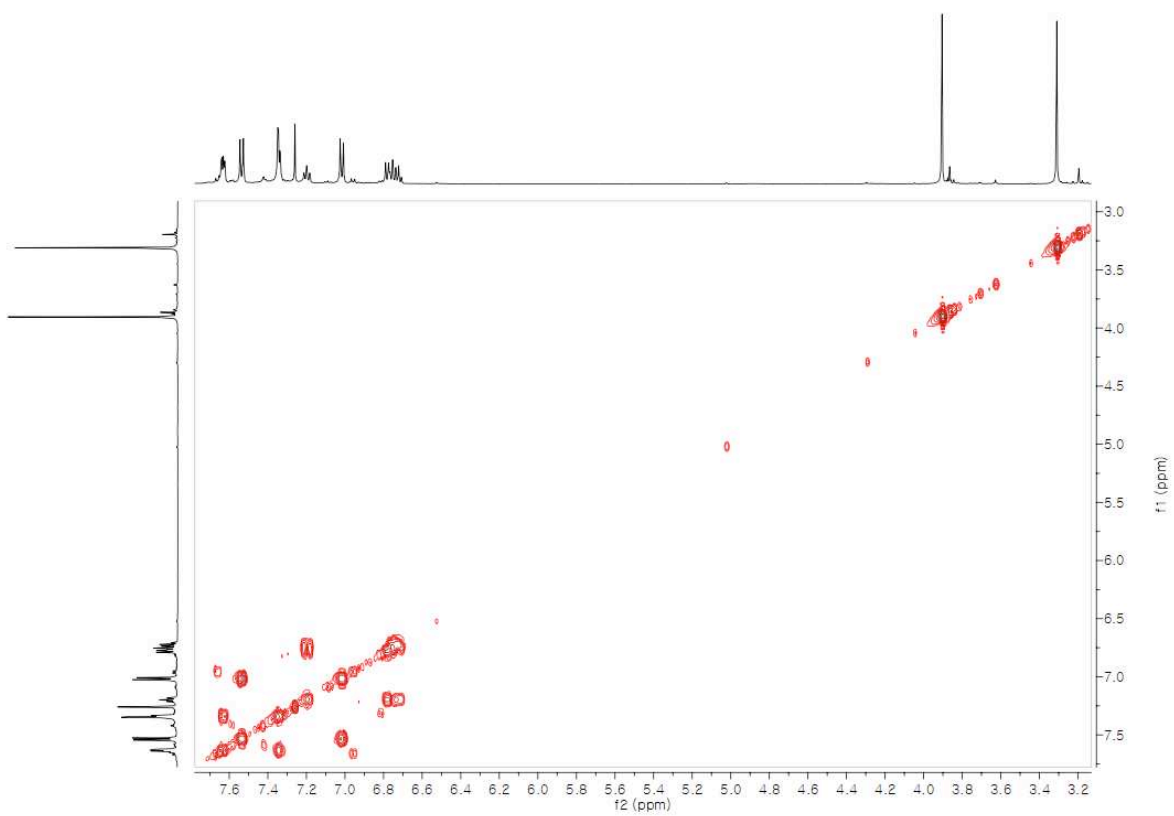
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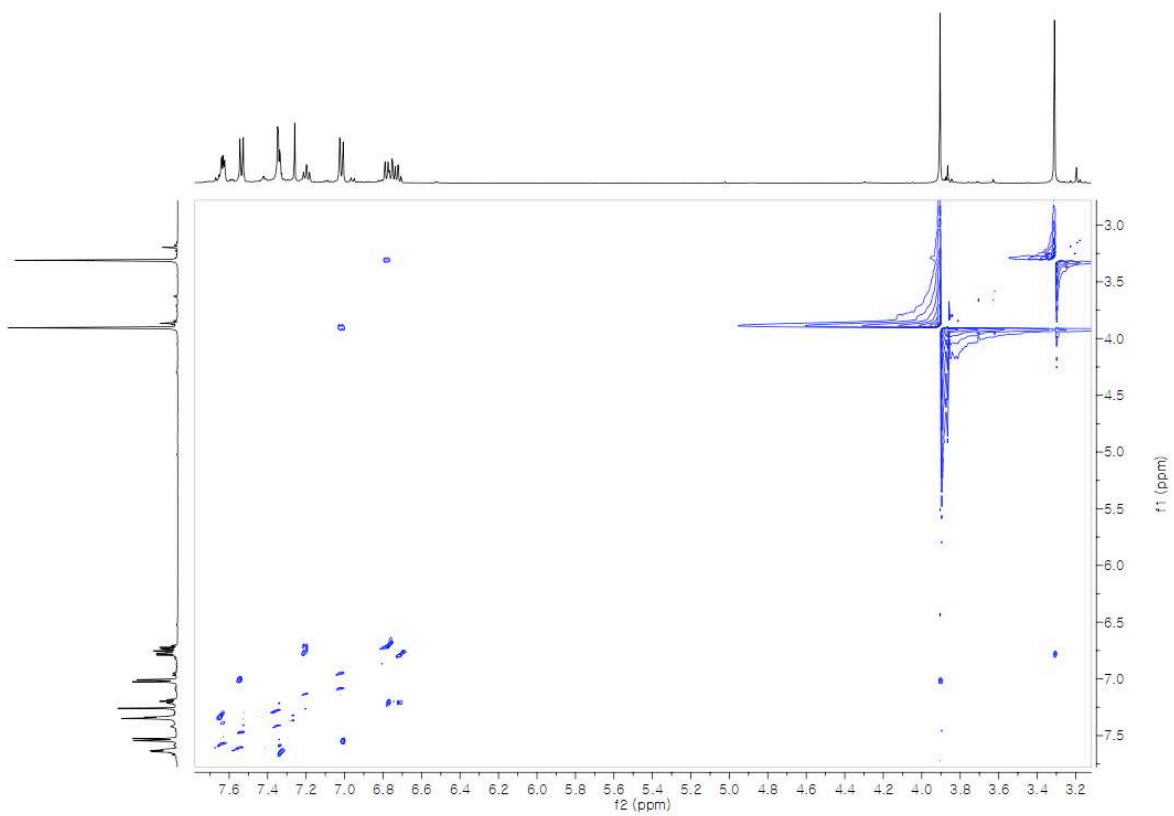
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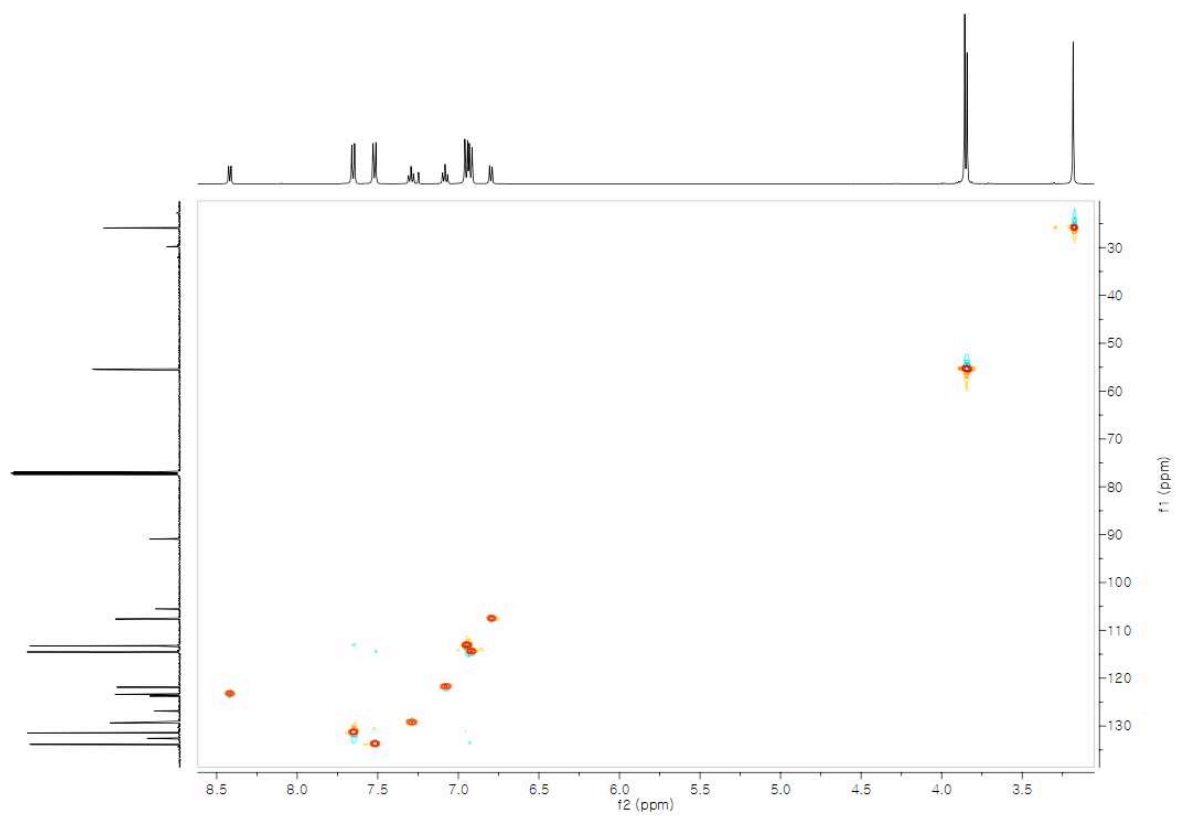
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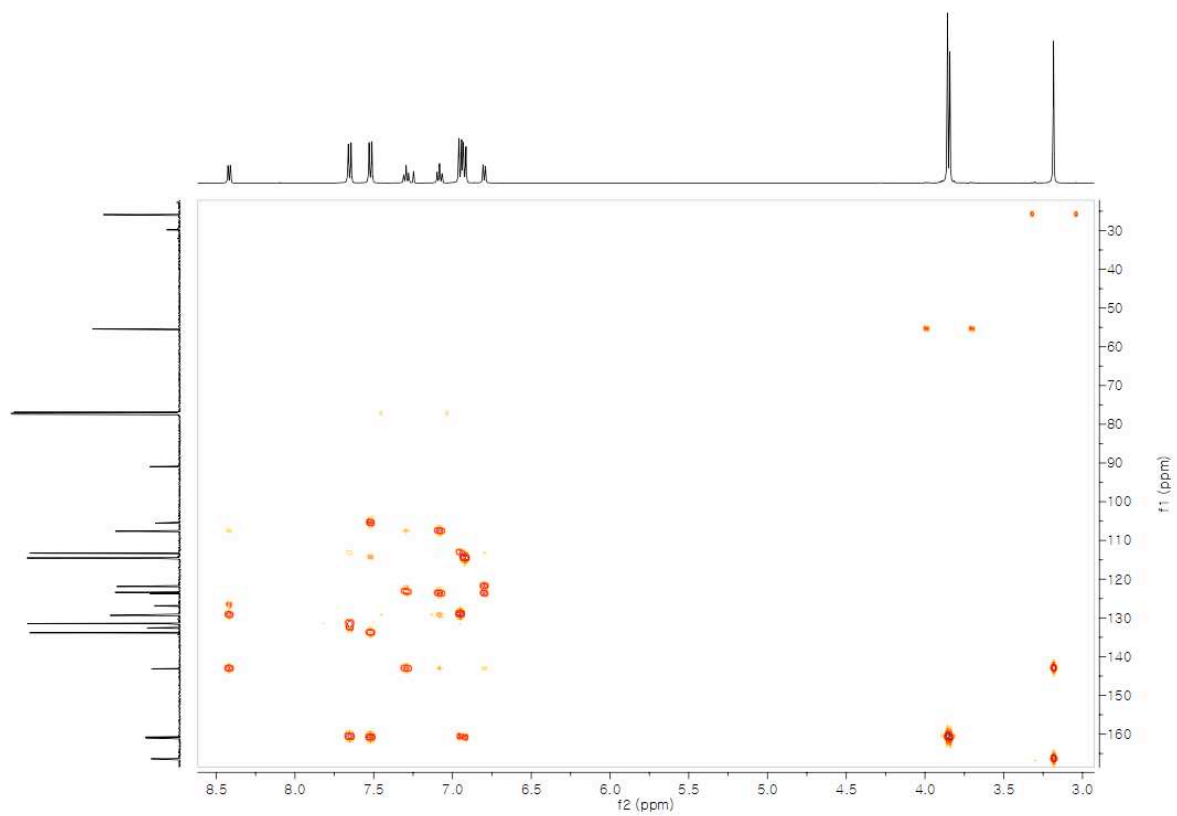
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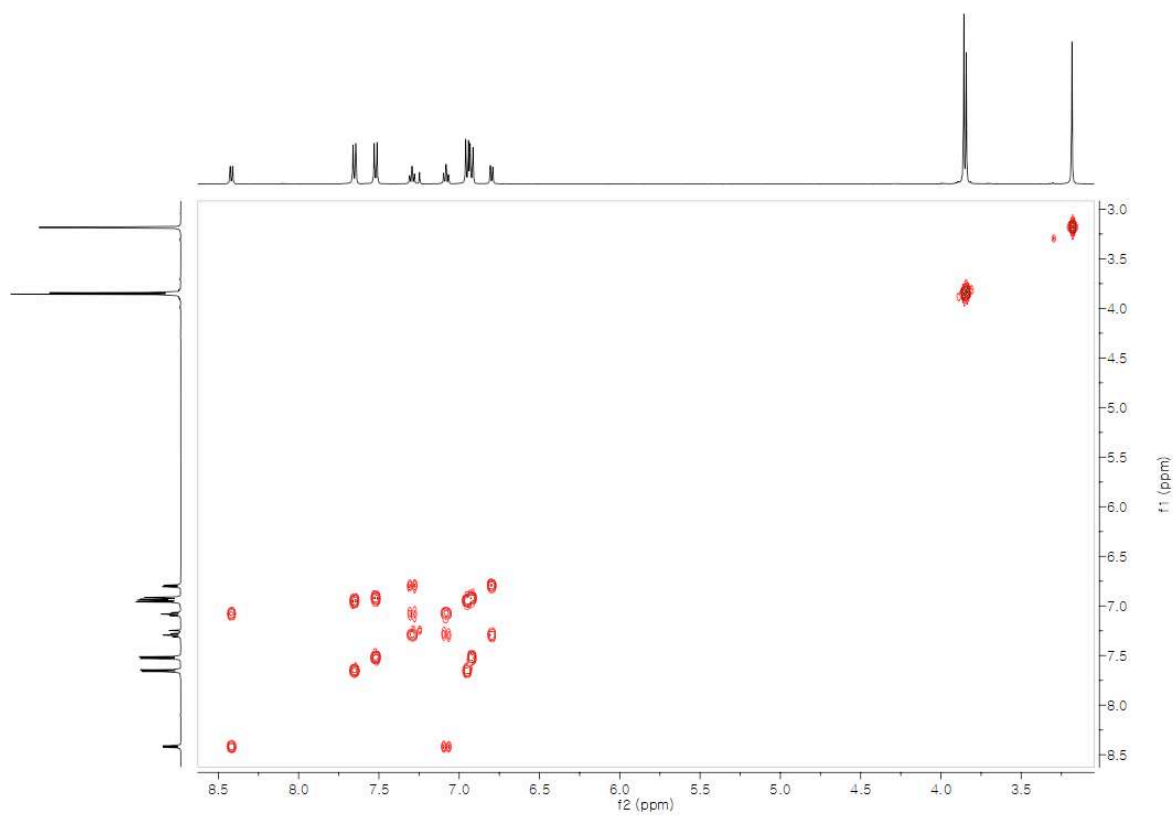
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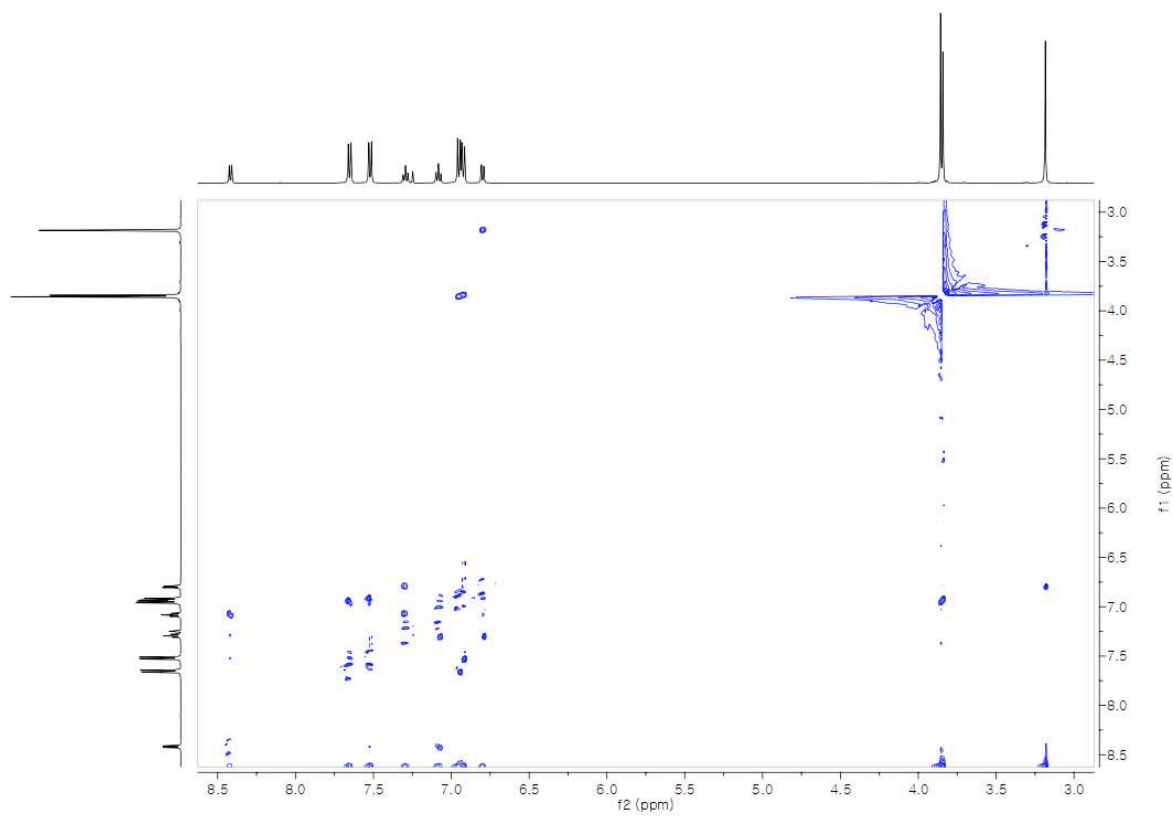
HMBC spectrum of (*E*)-9h



COSY spectrum of (*E*)-9h

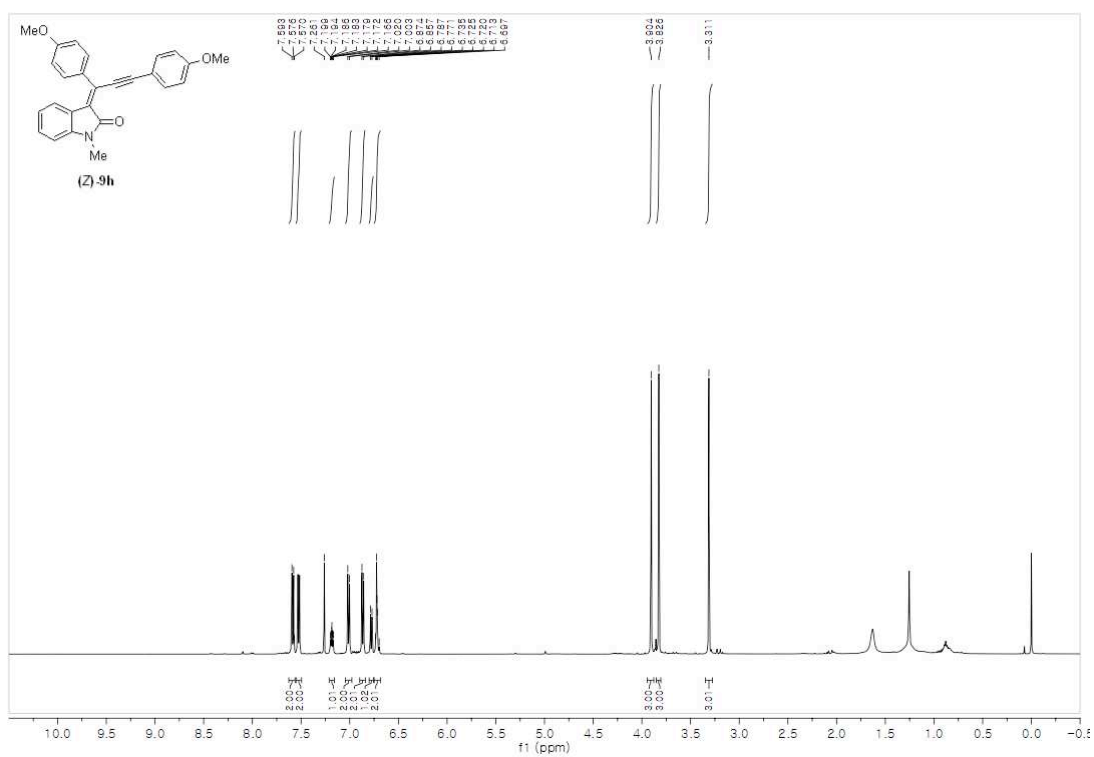


ROESY spectrum of (*E*)-9h

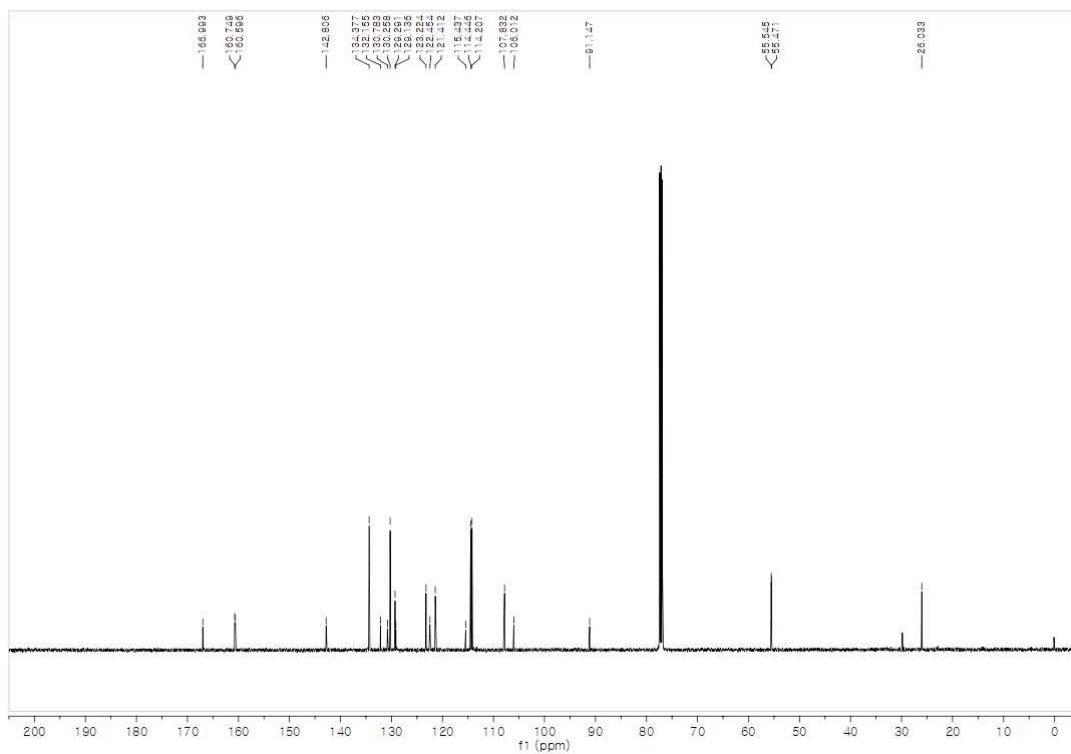


(Z)-3-(1,3-Bis(4-methoxyphenyl)prop-2-yn-1-ylidene)-1-methylindolin-2-one ((Z)-9h)

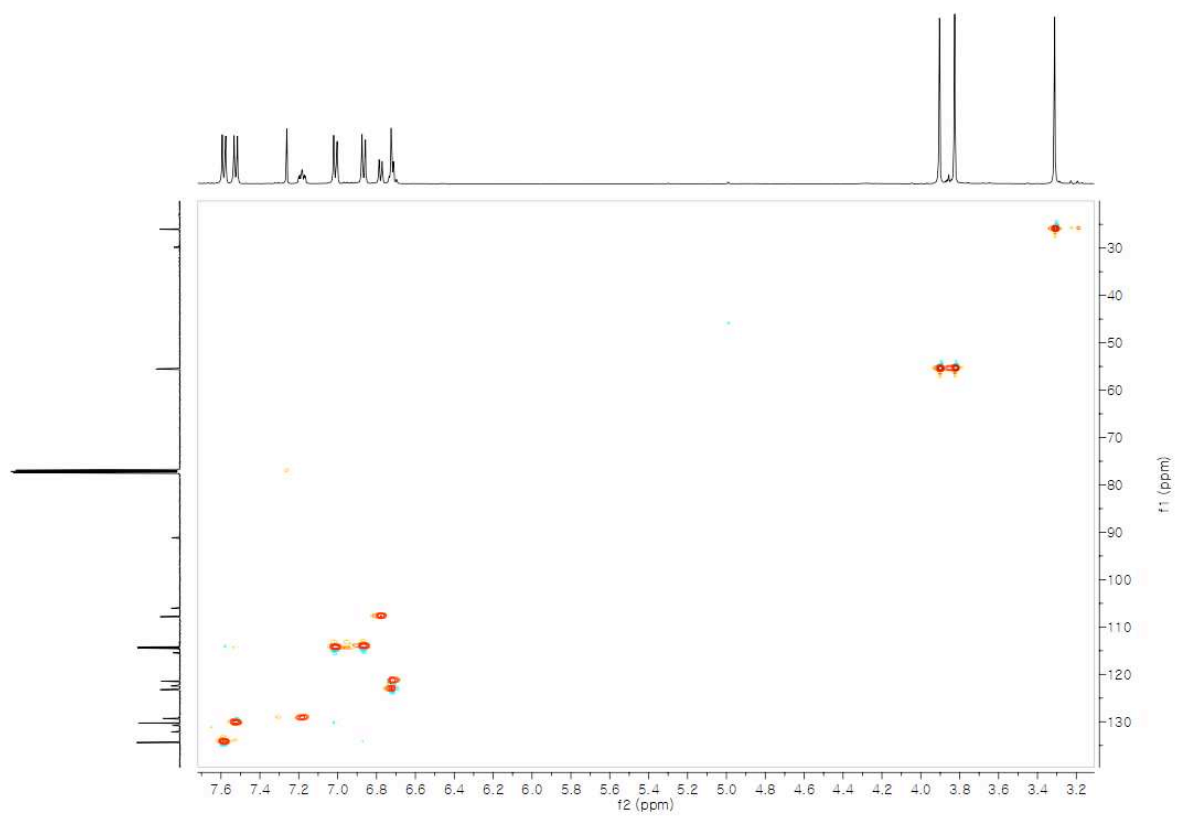
¹H NMR spectrum of (Z)-9h



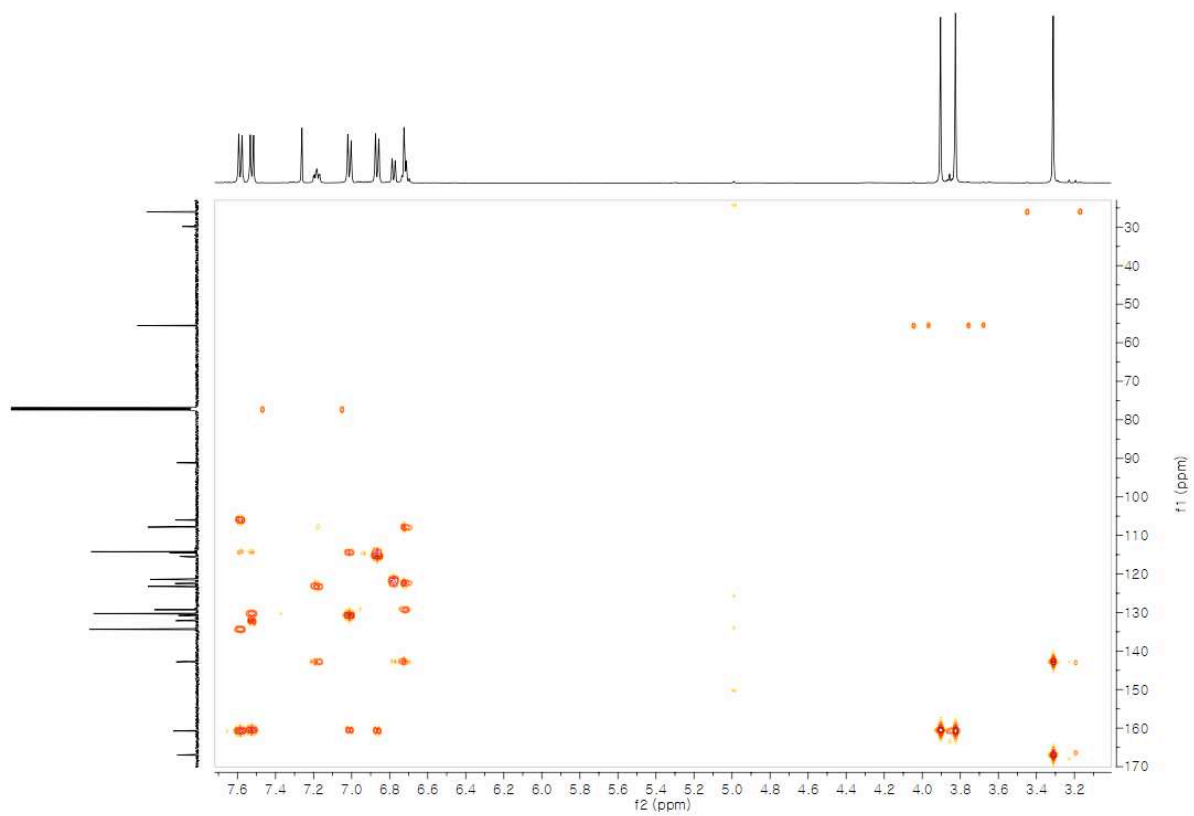
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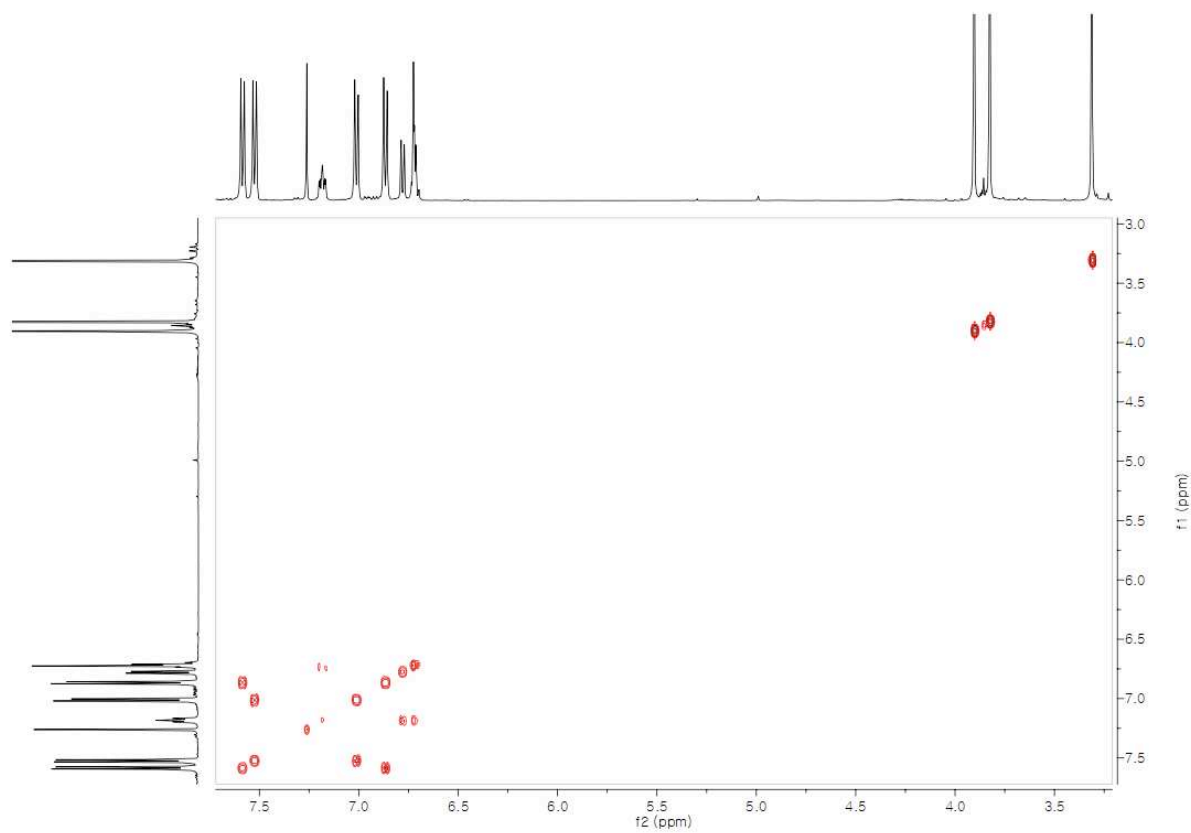
HSQC spectrum of (Z)-9h



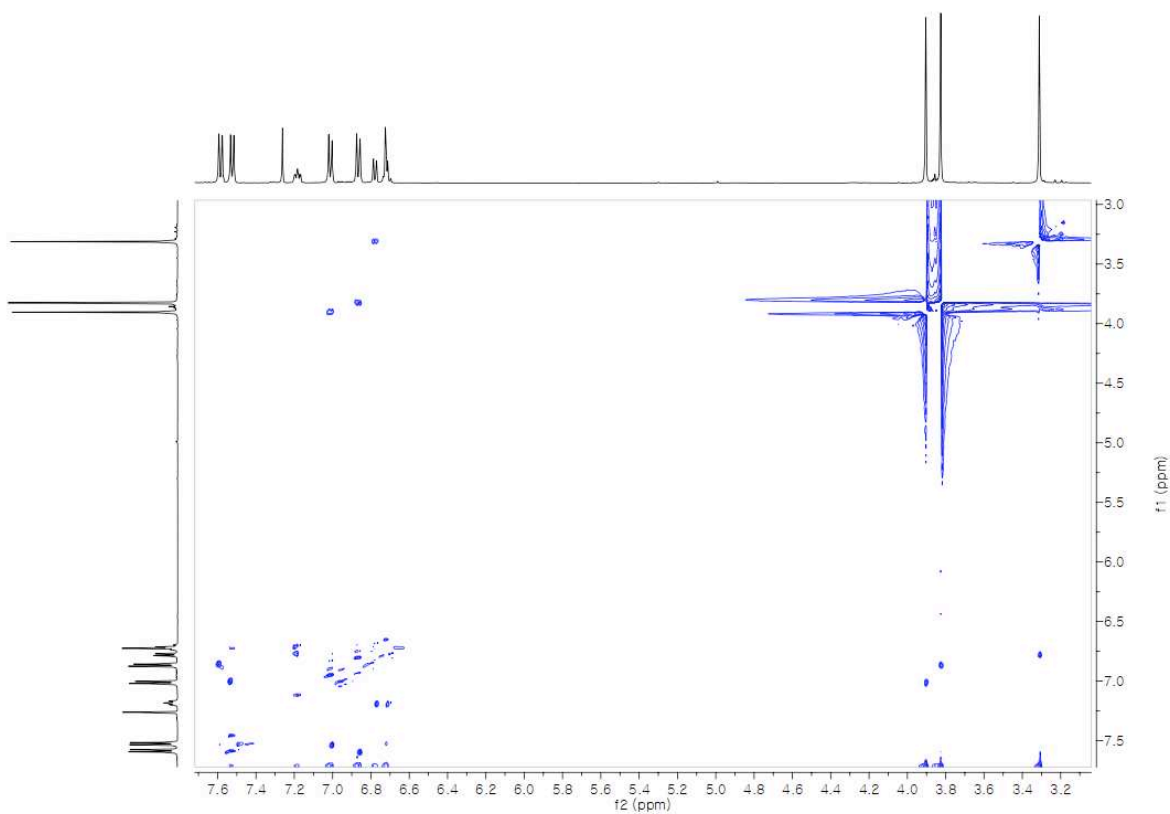
HMBC spectrum of (Z)-9b



COSY spectrum of (Z)-9h

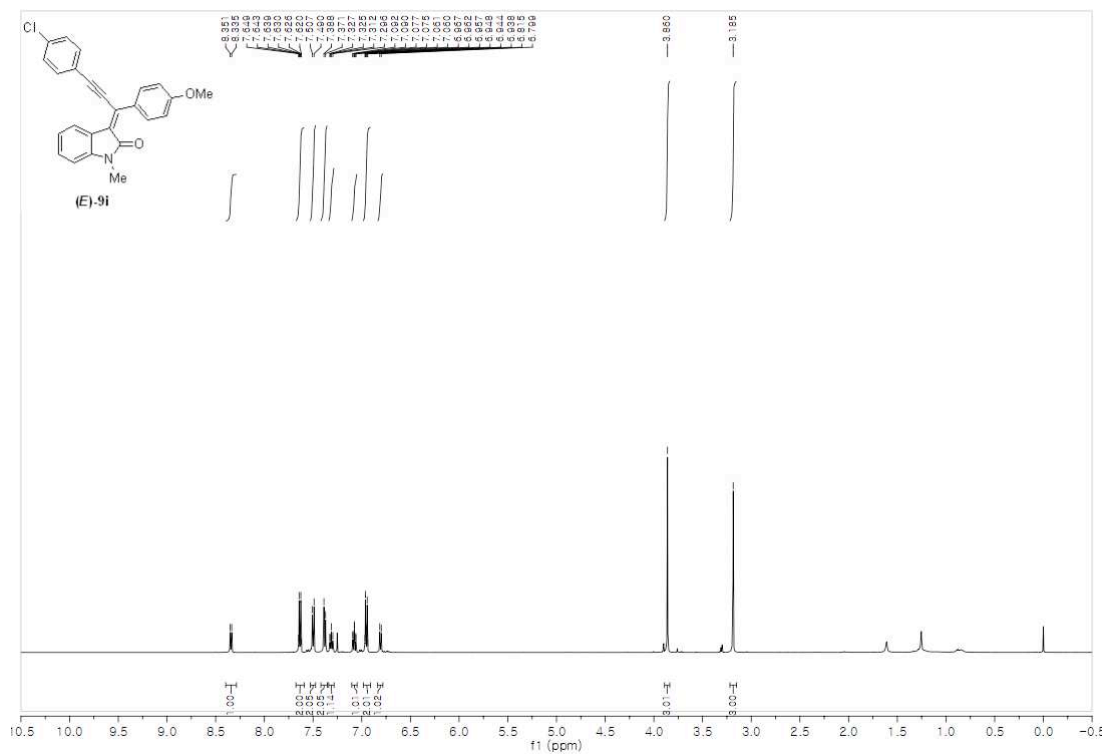


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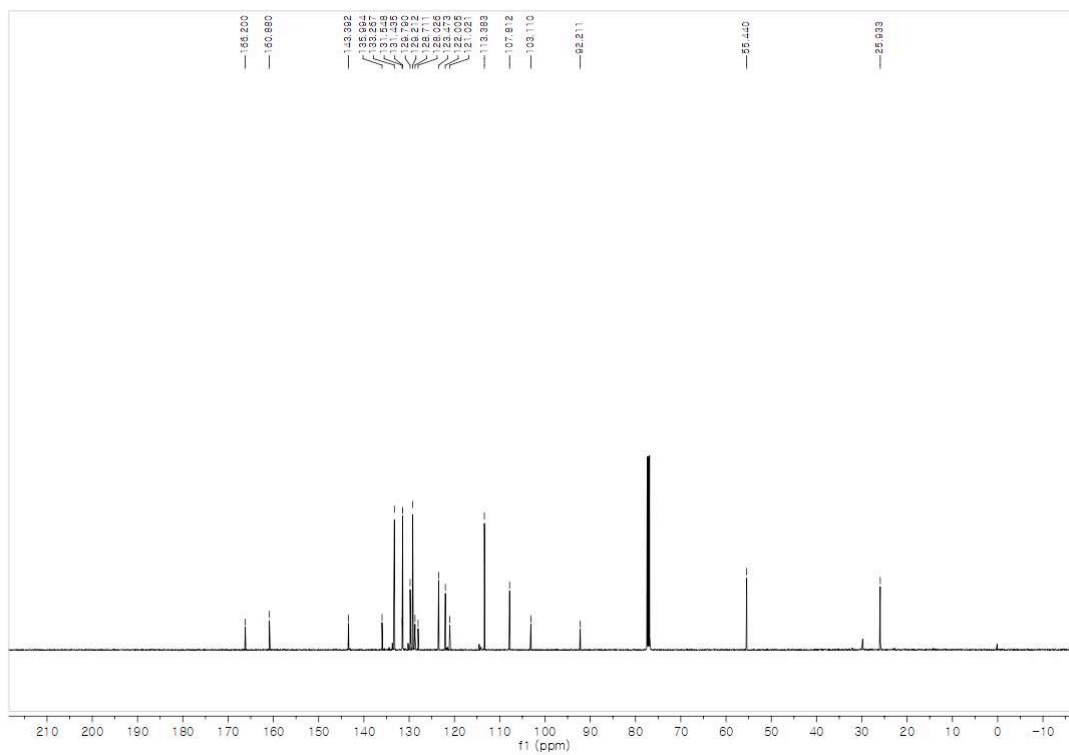


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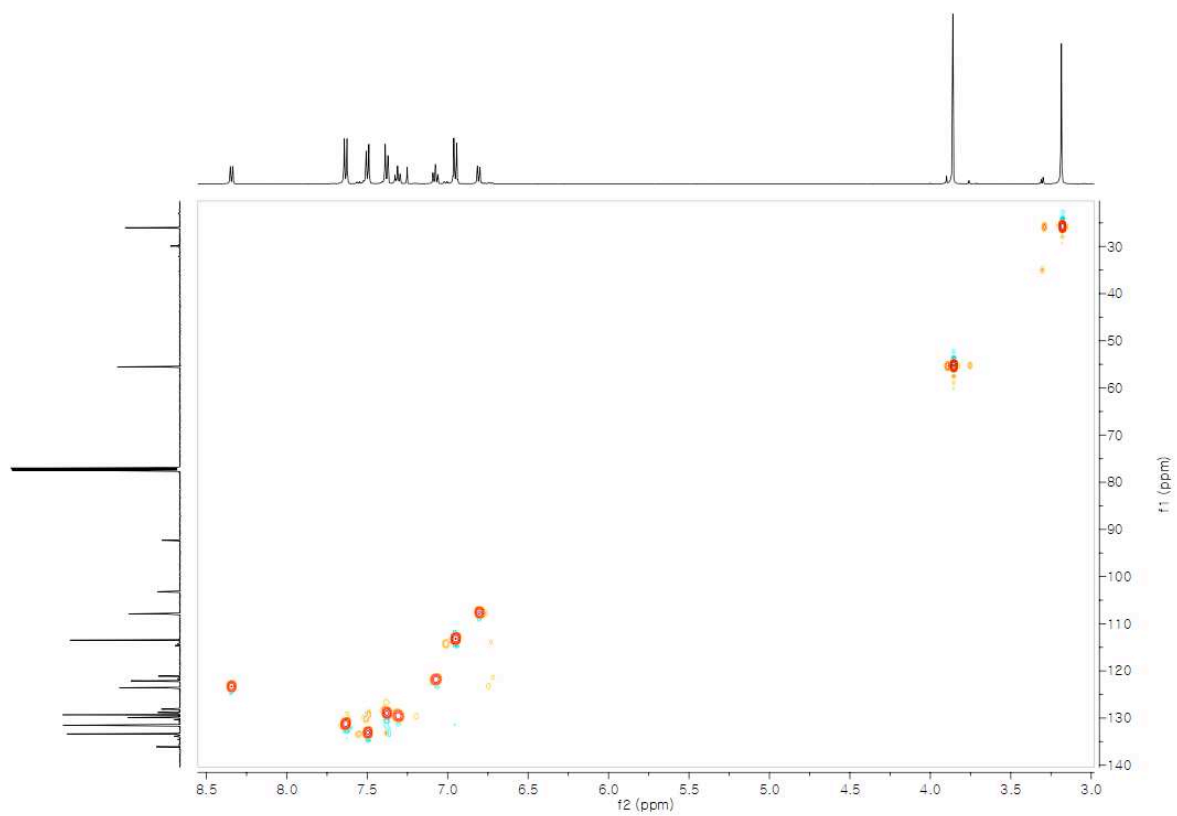
¹H NMR spectrum of (E)-9i



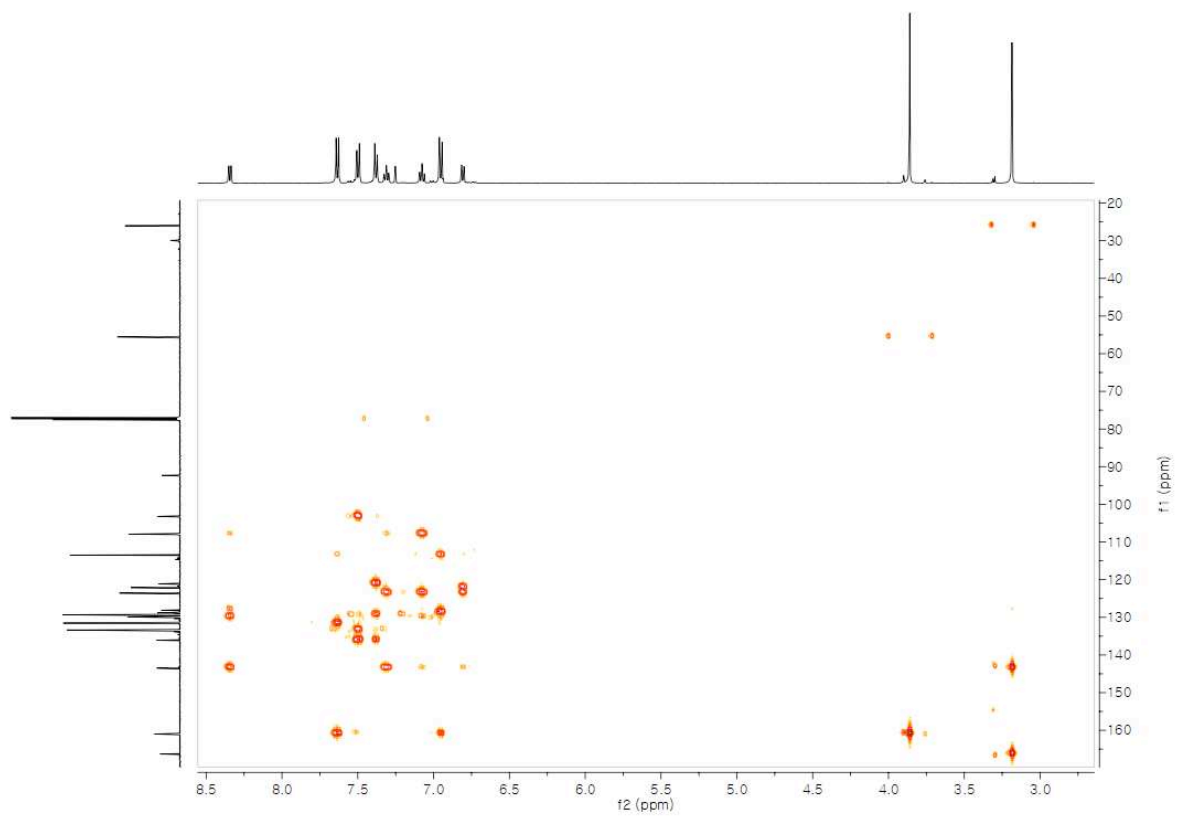
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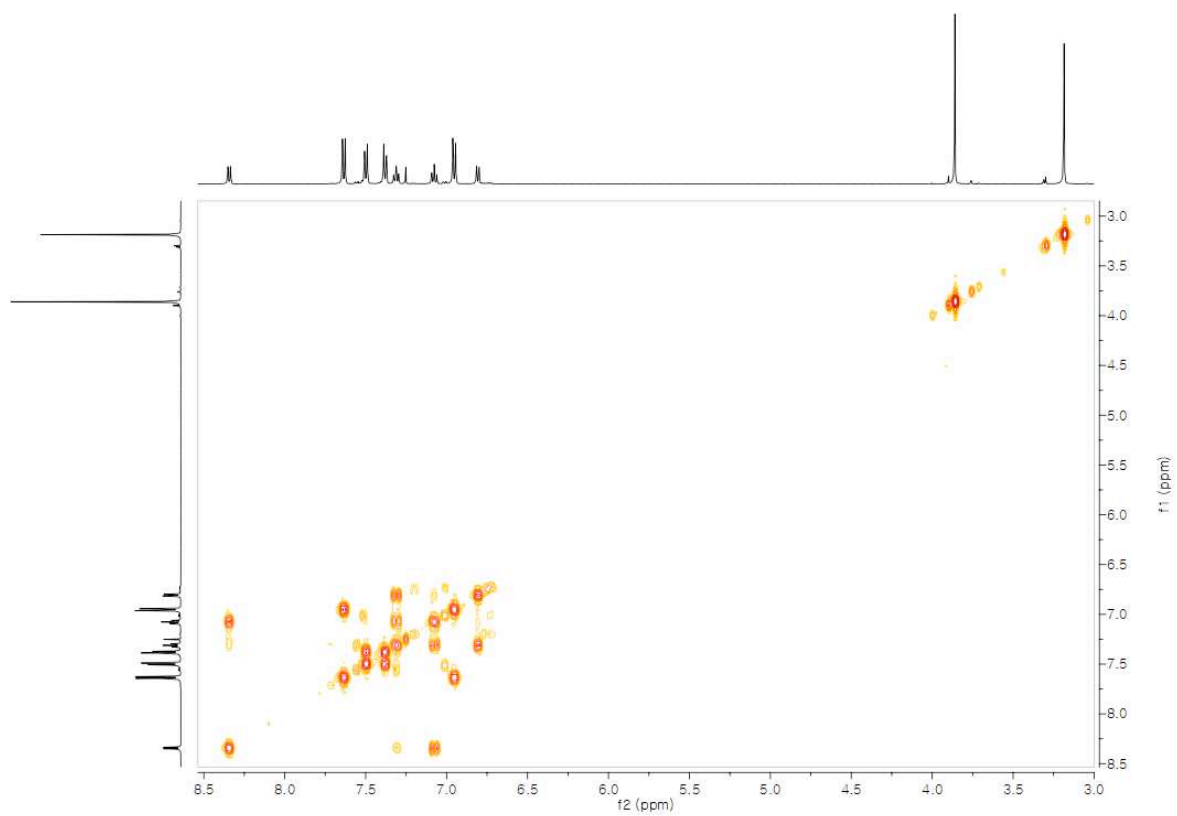
HSQC spectrum of (*E*)-9i



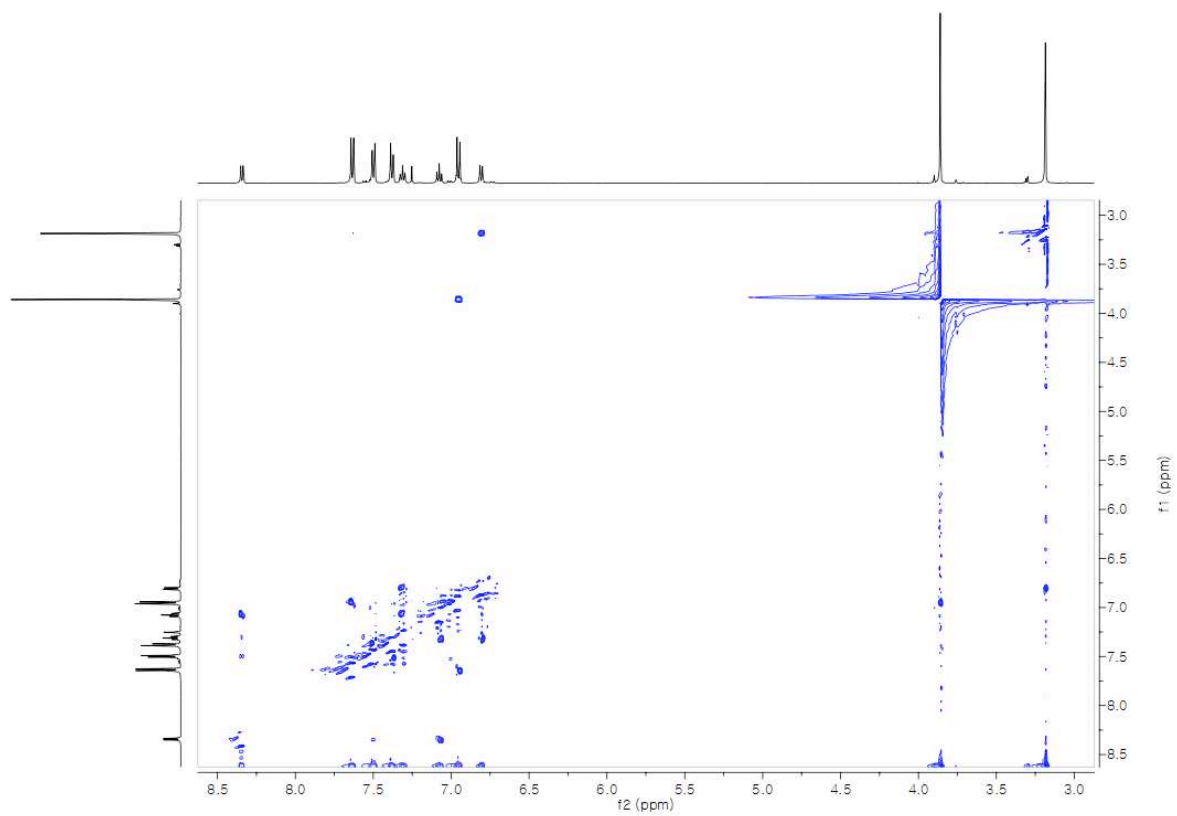
HMBC spectrum of (*E*)-9i



COSY spectrum of (*E*)-9i

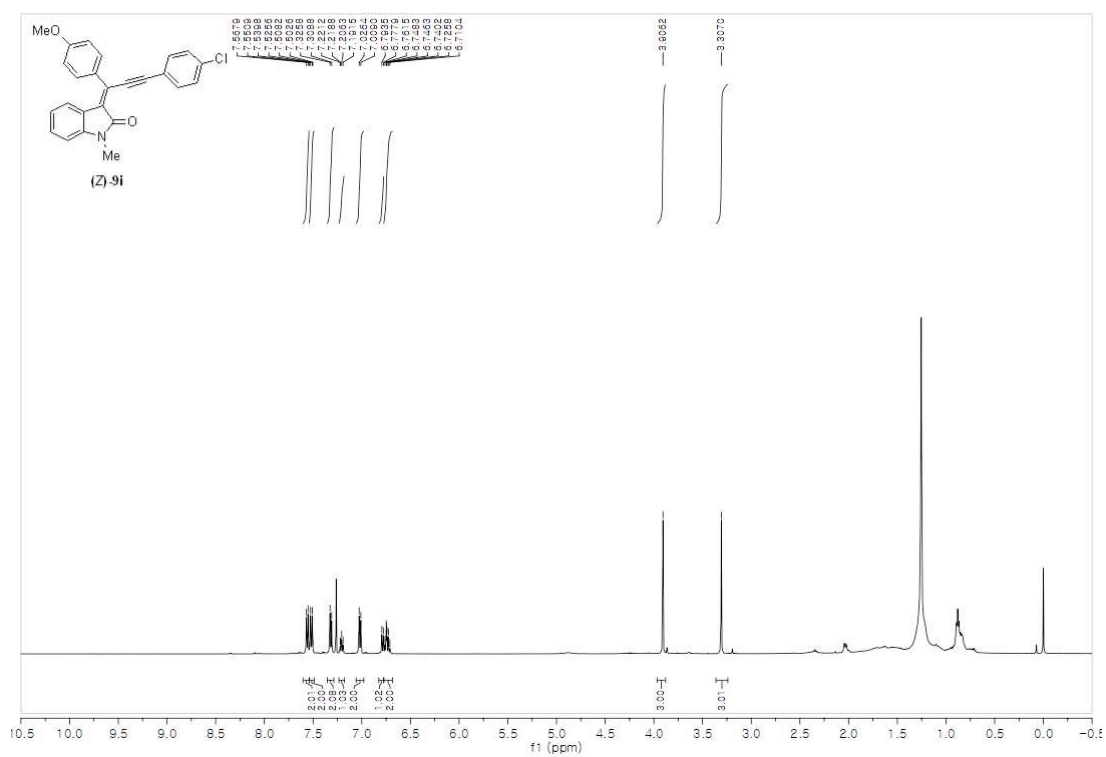


ROESY spectrum of (*E*)-9i

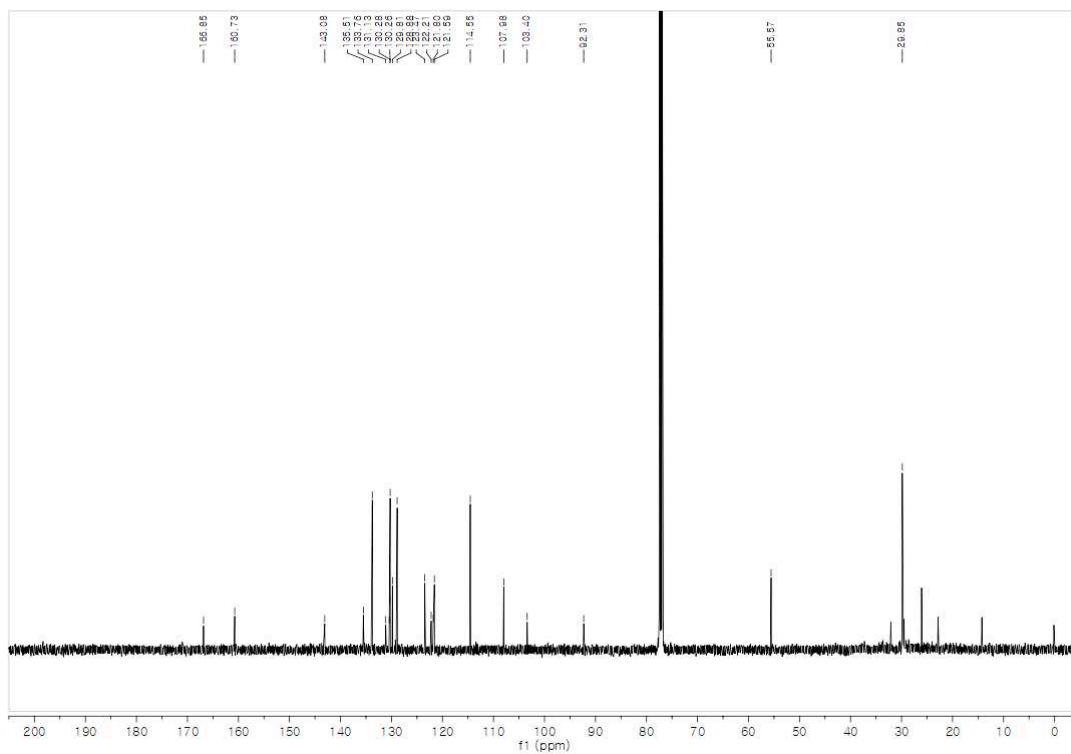


(Z)-3-(3-(4-Chlorophenyl)-1-(4-methoxyphenyl)prop-2-yn-1-ylidene)-1-methylindolin-2-one ((Z)-9i)

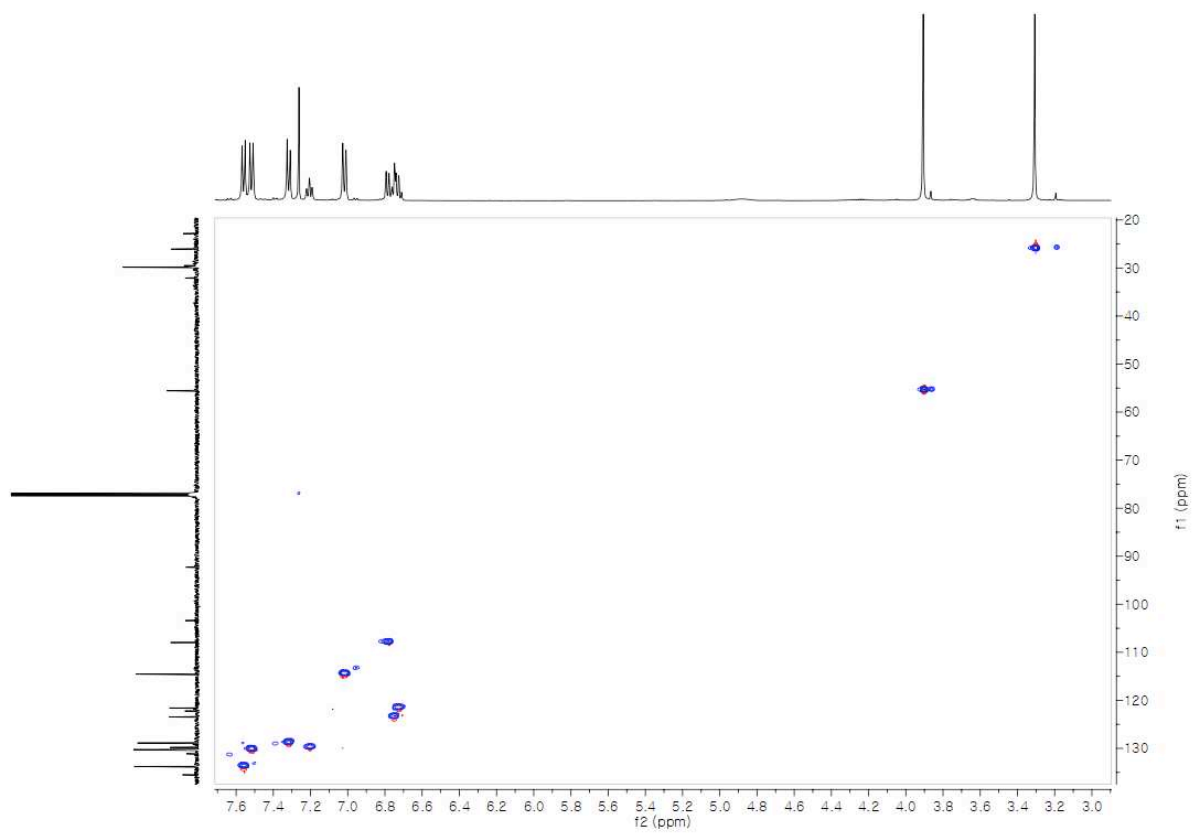
¹H NMR spectrum of (Z)-9i



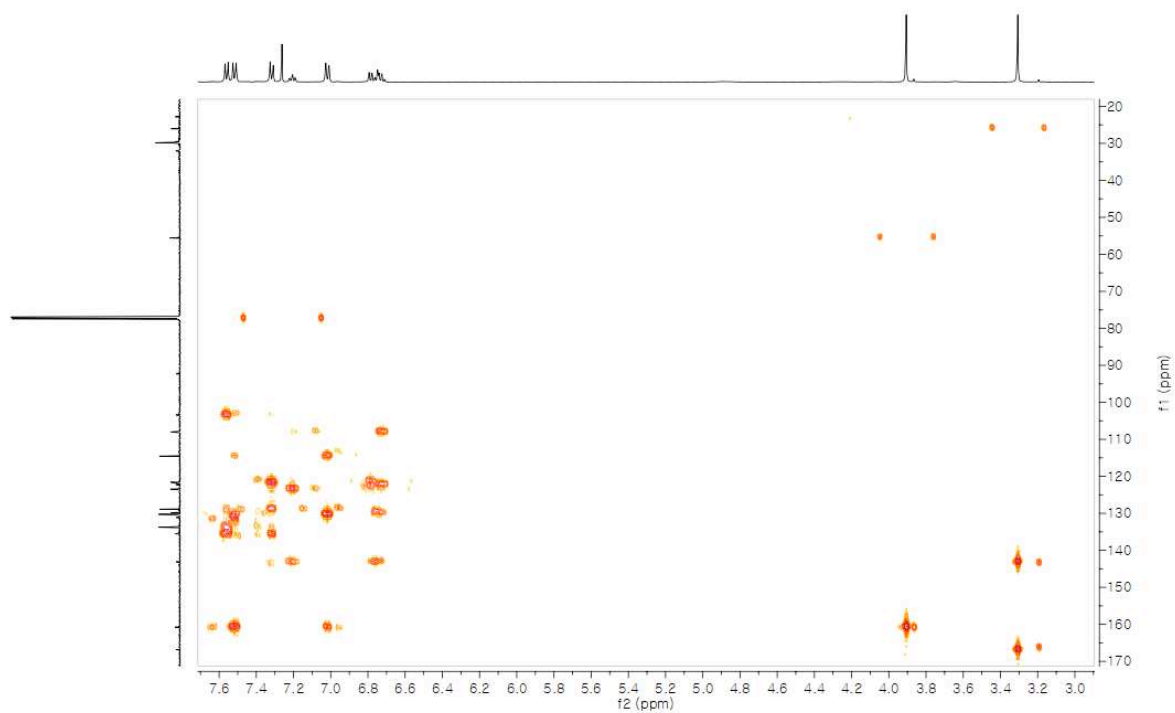
¹³C NMR spectrum of (Z)-9i



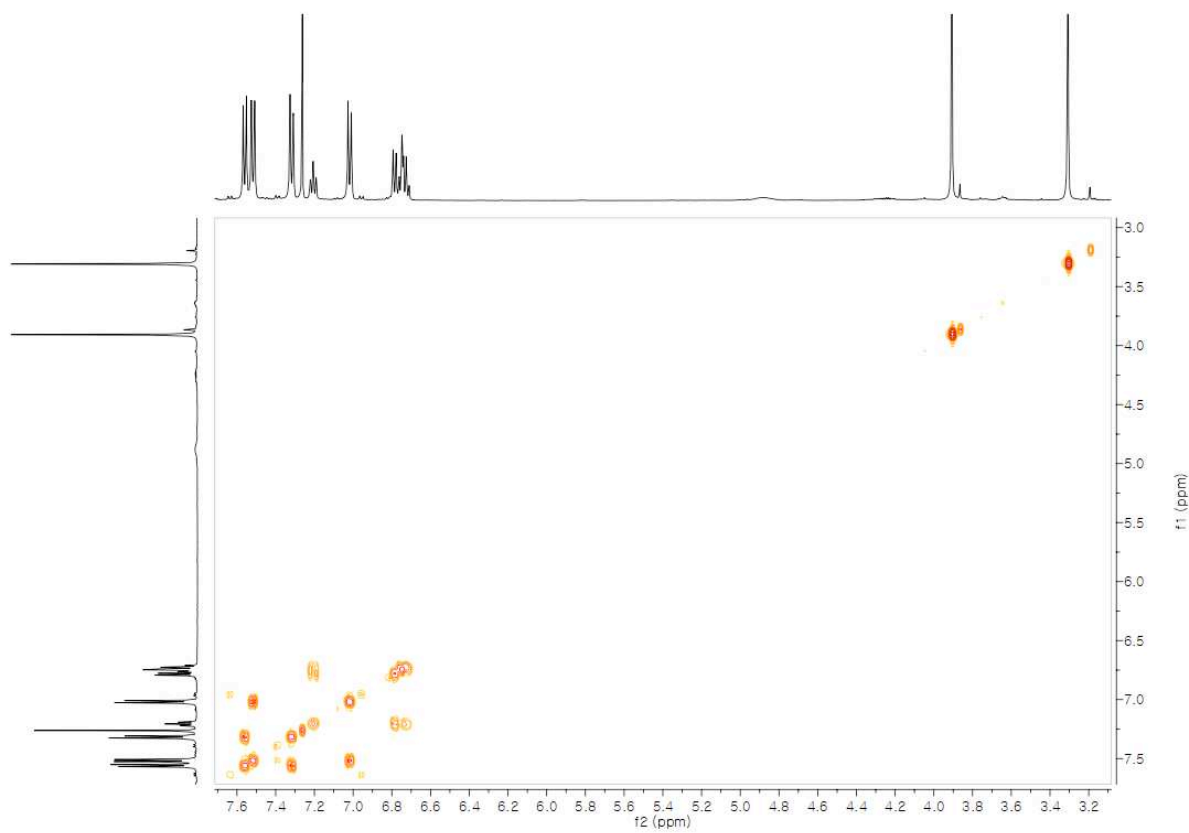
HSQC spectrum of (Z)-9i



HMBC spectrum of (Z)-9i



COSY spectrum of (Z)-9i



ROESY spectrum of (Z)-9i

