

**STEREOSELECTIVE SYNTHESIS OF (Z)-3-ARYLIDENE-2-OXINDOLES VIA A
PALLADIUM-CATALYZED TANDEM REACTION**

Sunhwa Park, Kye Jung Shin, and Jae Hong Seo*

Integrated Research Institute of Pharmaceutical Sciences, College of Pharmacy, The Catholic University of Korea, 43
Jibong-ro, Wonmi-gu, Bucheon, Gyeonggi-do 14662, Republic of Korea

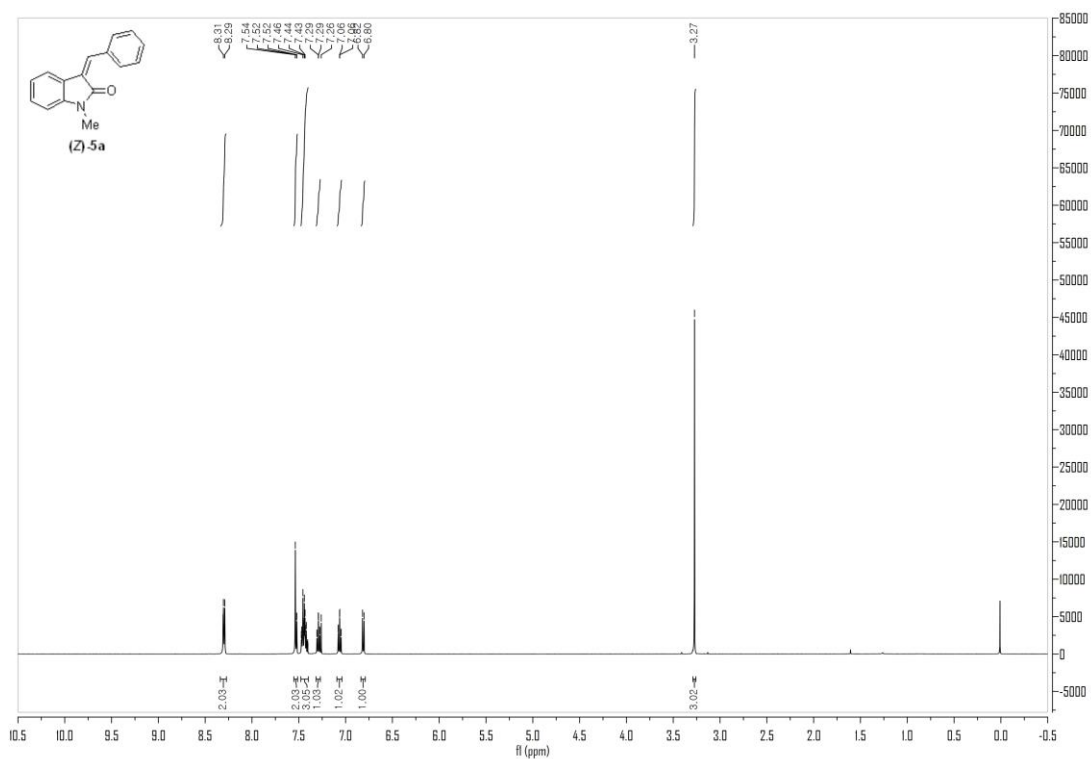
E-mail: jaehongseo@catholic.ac.kr

Contents

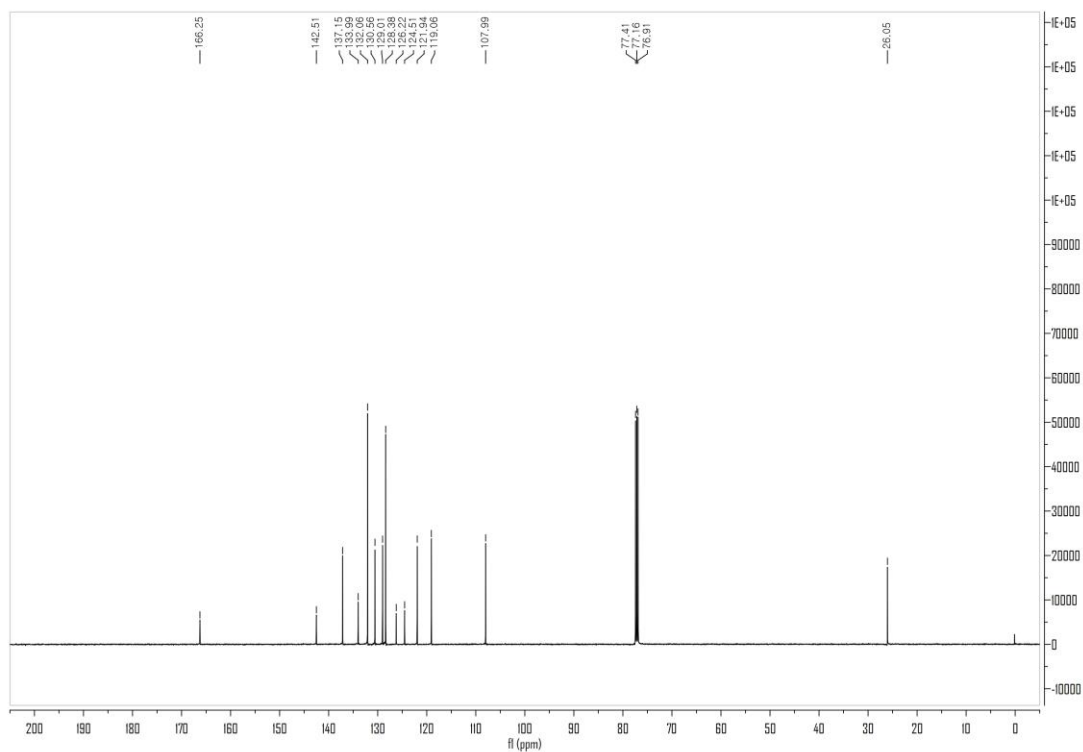
Copies of ^1H and ^{13}C NMR data of (E)- and (Z)-5a~h

(Z)-3-benzylidene-1-methylindolin-2-one ((Z)-5a)

¹H NMR spectrum of (Z)-5a

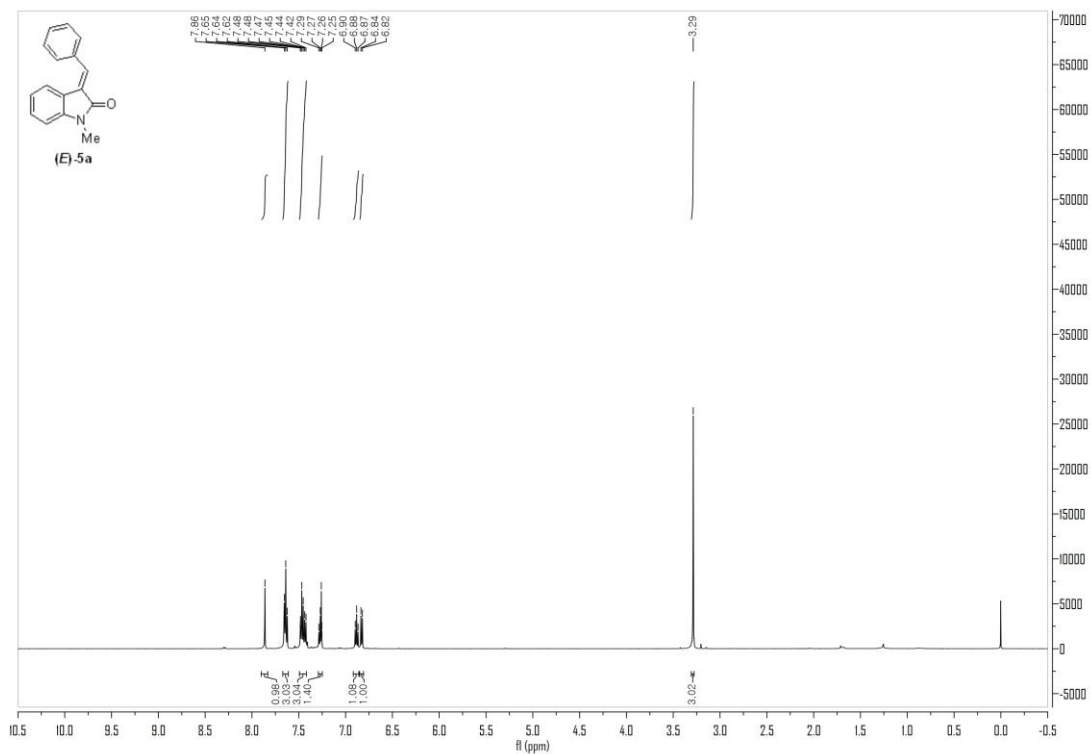


¹³C NMR spectrum of (Z)-5a

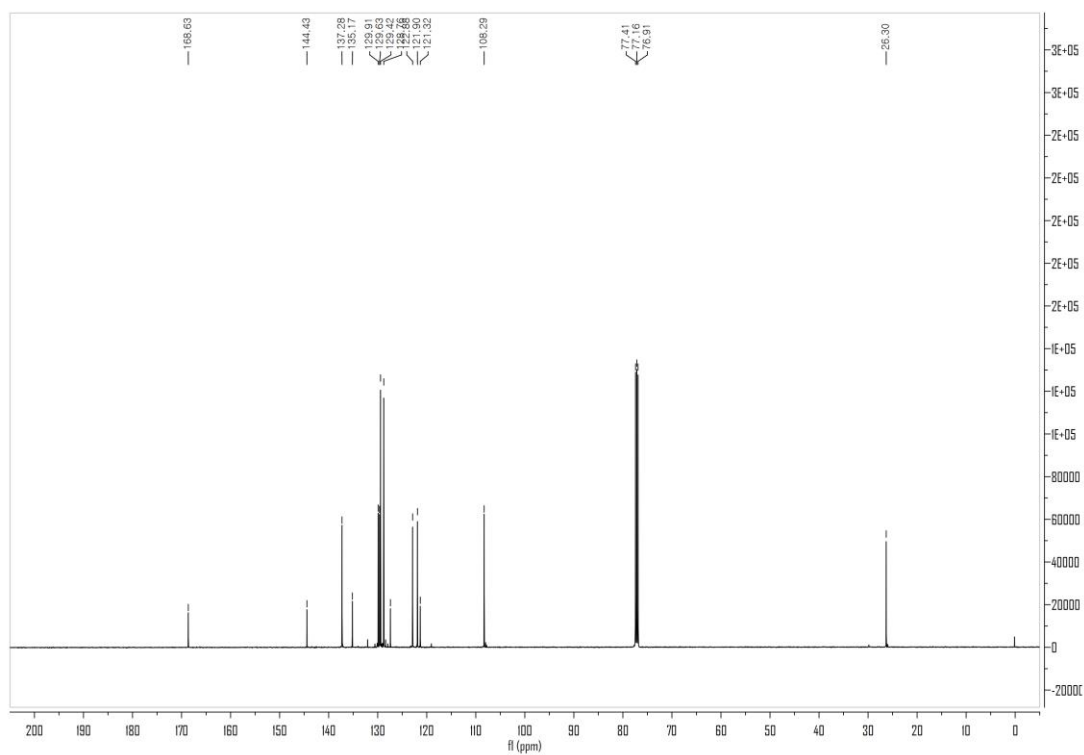


(E)-3-benzylidene-1-methylindolin-2-one ((E)-5a)

¹H NMR spectrum of (E)-5a

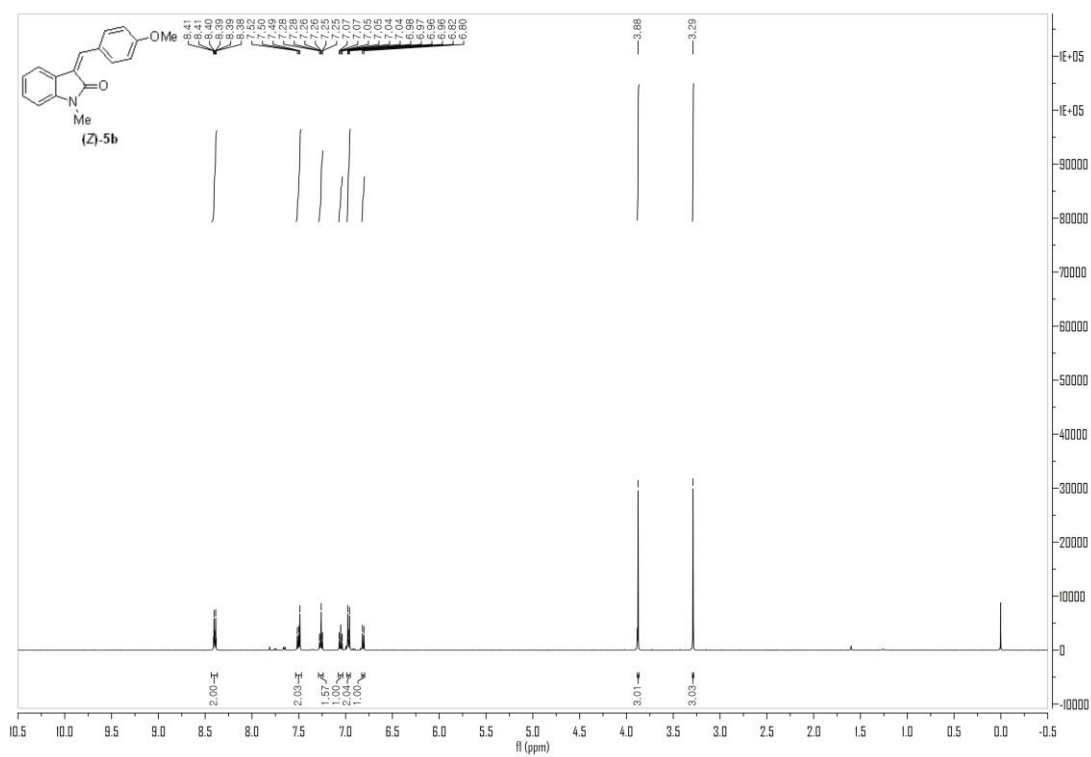


¹³C NMR spectrum of (E)-5a

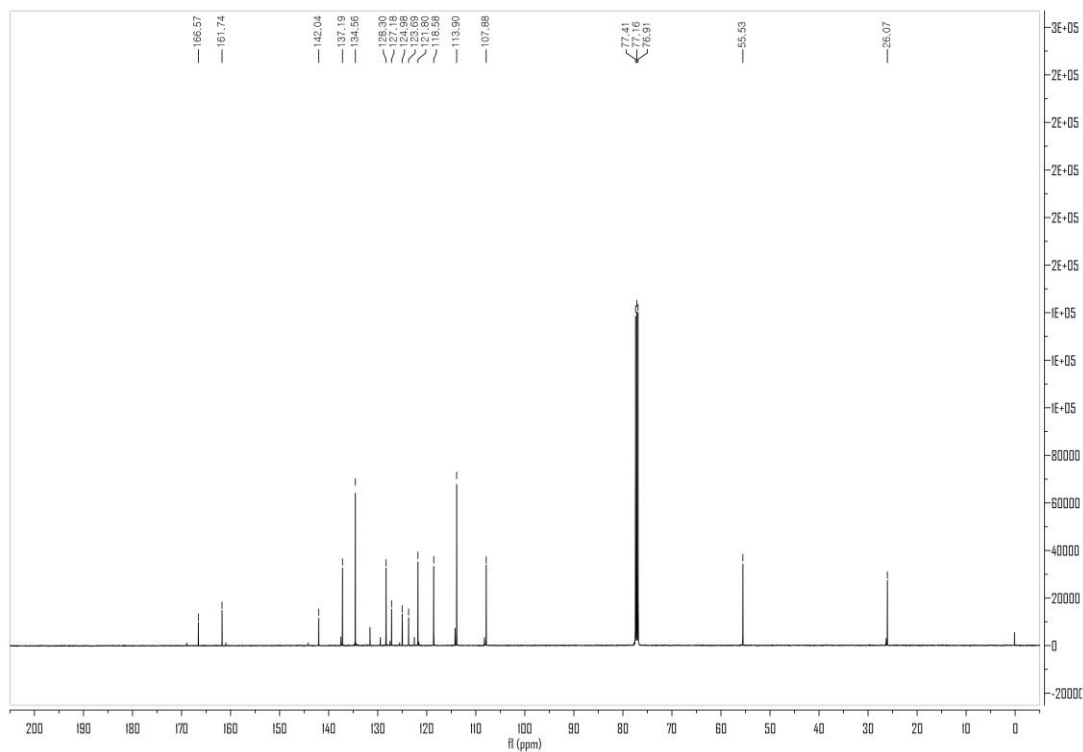


(Z)-3-(4-methoxybenzylidene)-1-methylindolin-2-one ((Z)-5b)

¹H NMR spectrum of (Z)-5b

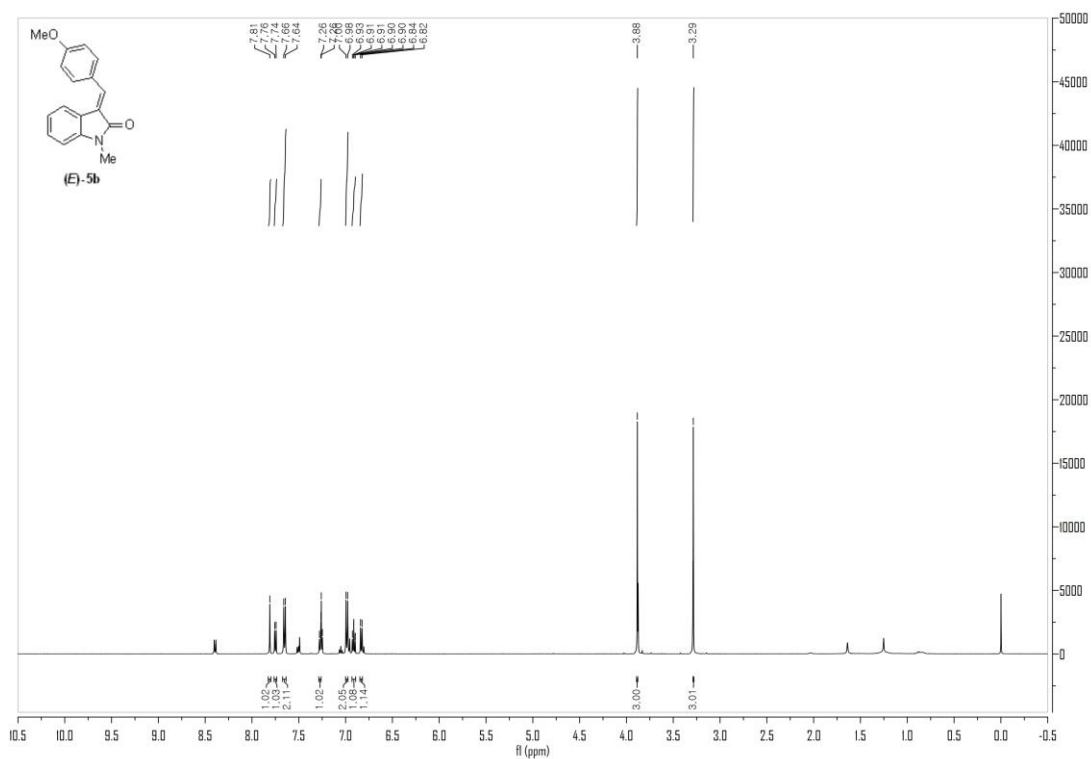


¹³C NMR spectrum of (Z)-5b

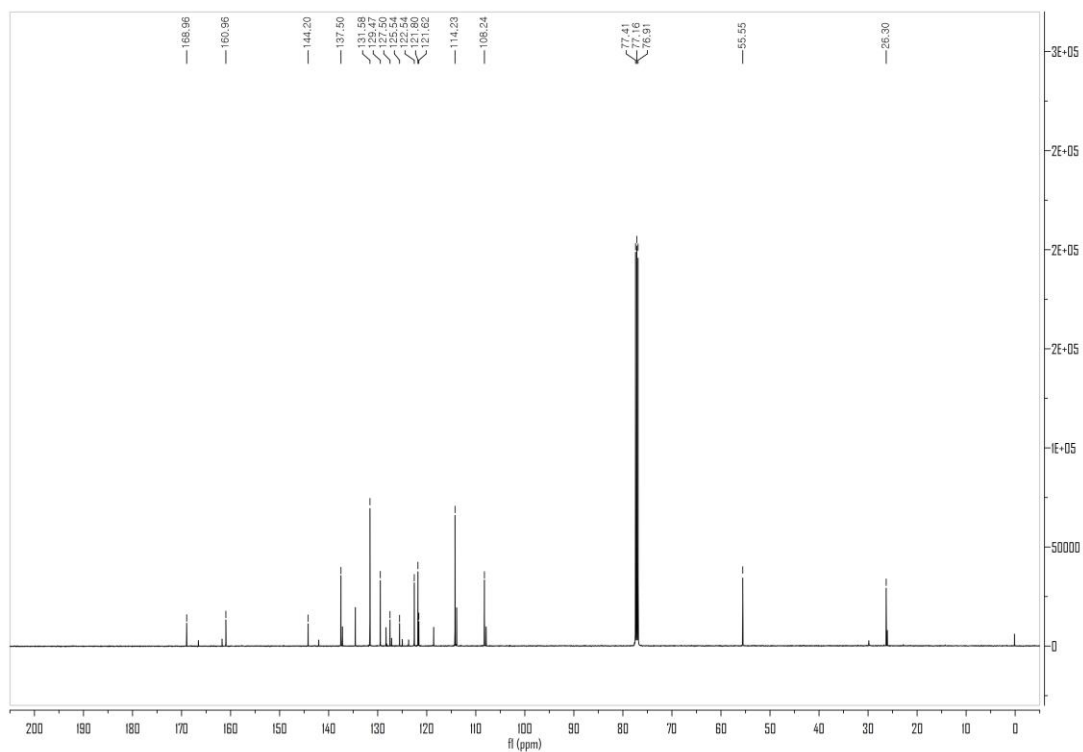


(E)-3-(4-methoxybenzylidene)-1-methylindolin-2-one ((E)-5b)

¹H NMR spectrum of (E)-5b

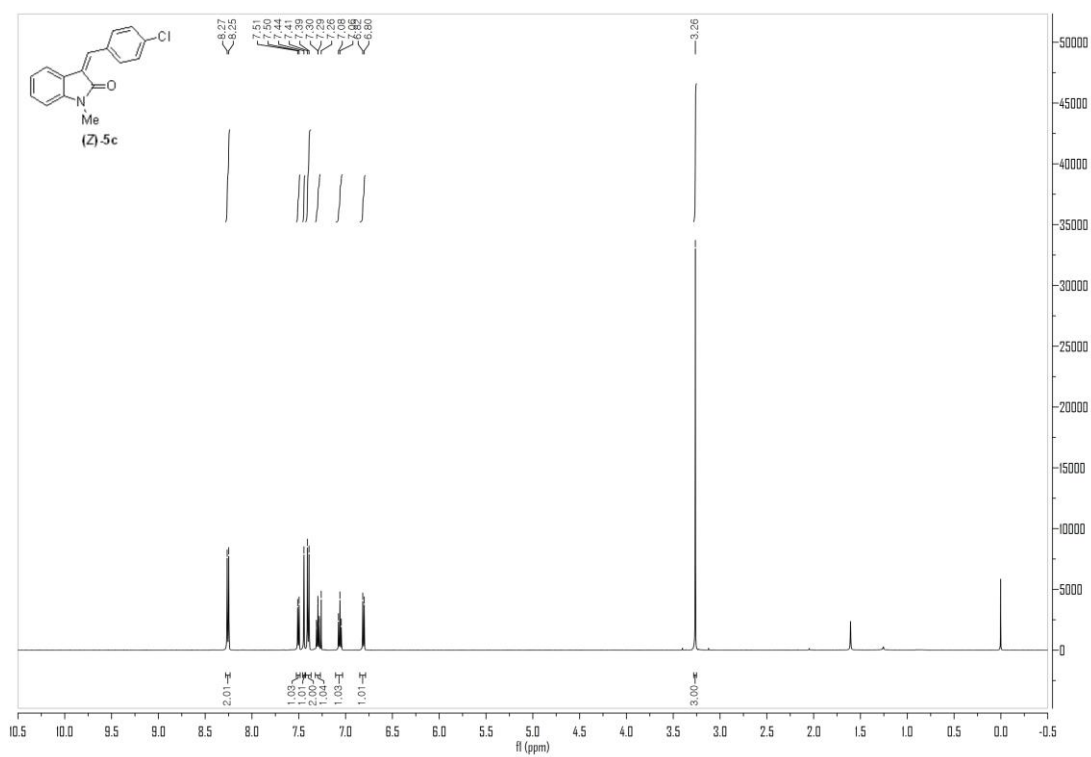


¹³C NMR spectrum of (E)-5b

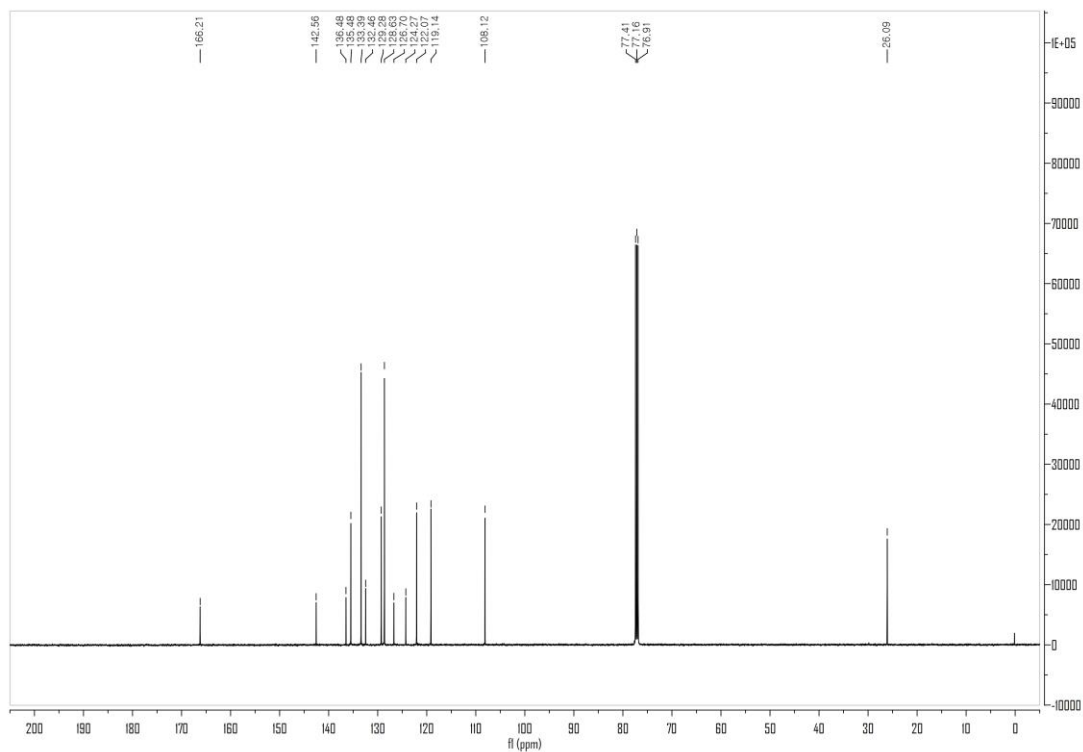


(Z)-3-(4-chlorobenzylidene)-1-methylindolin-2-one ((Z)-5c)

¹H NMR spectrum of (Z)-5c

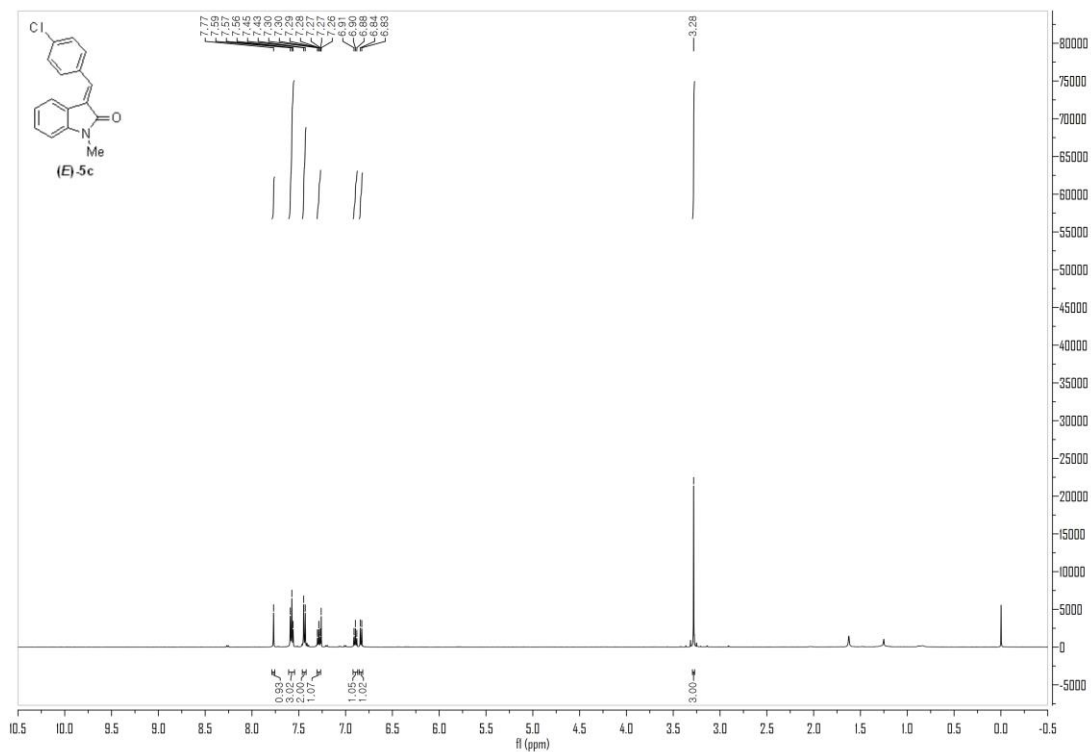


¹³C NMR spectrum of (Z)-5c

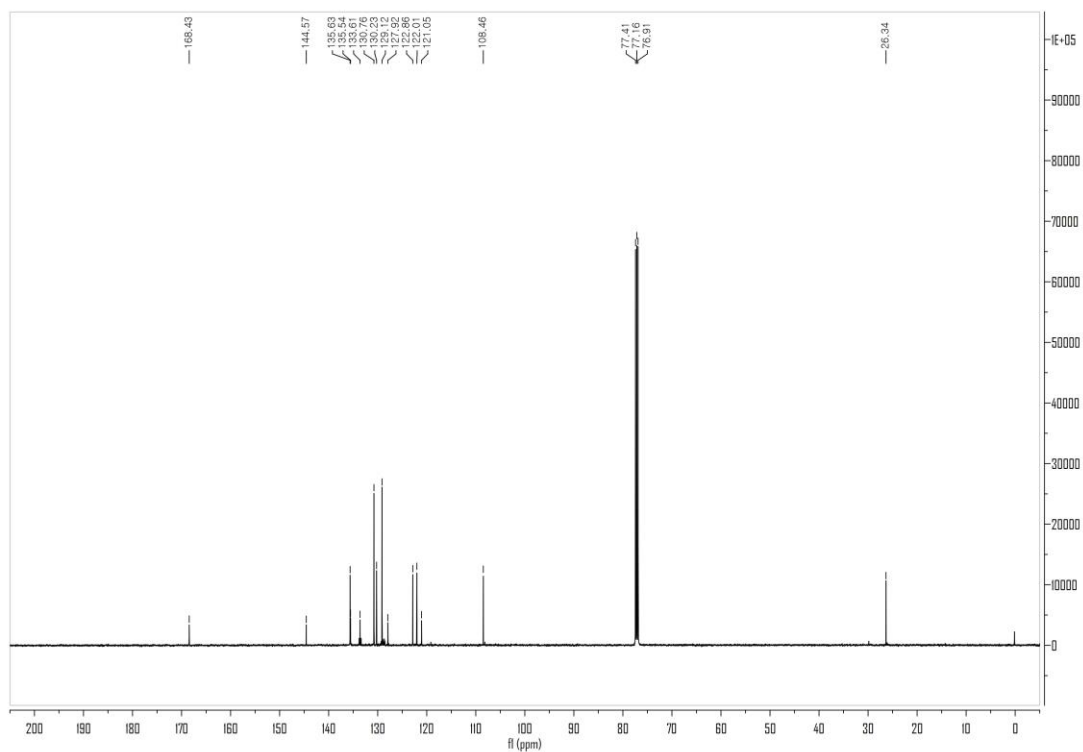


(E)-3-(4-chlorobenzylidene)-1-methylindolin-2-one ((E)-5c)

¹H NMR spectrum of (E)-5c

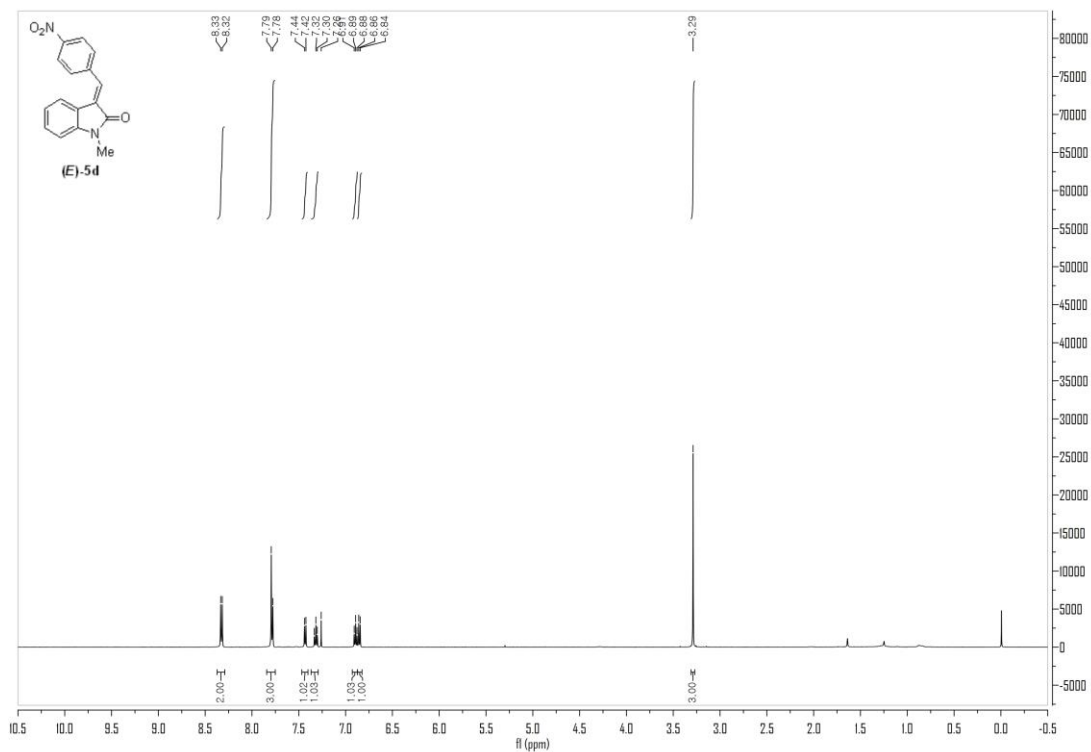


¹³C NMR spectrum of (E)-5c

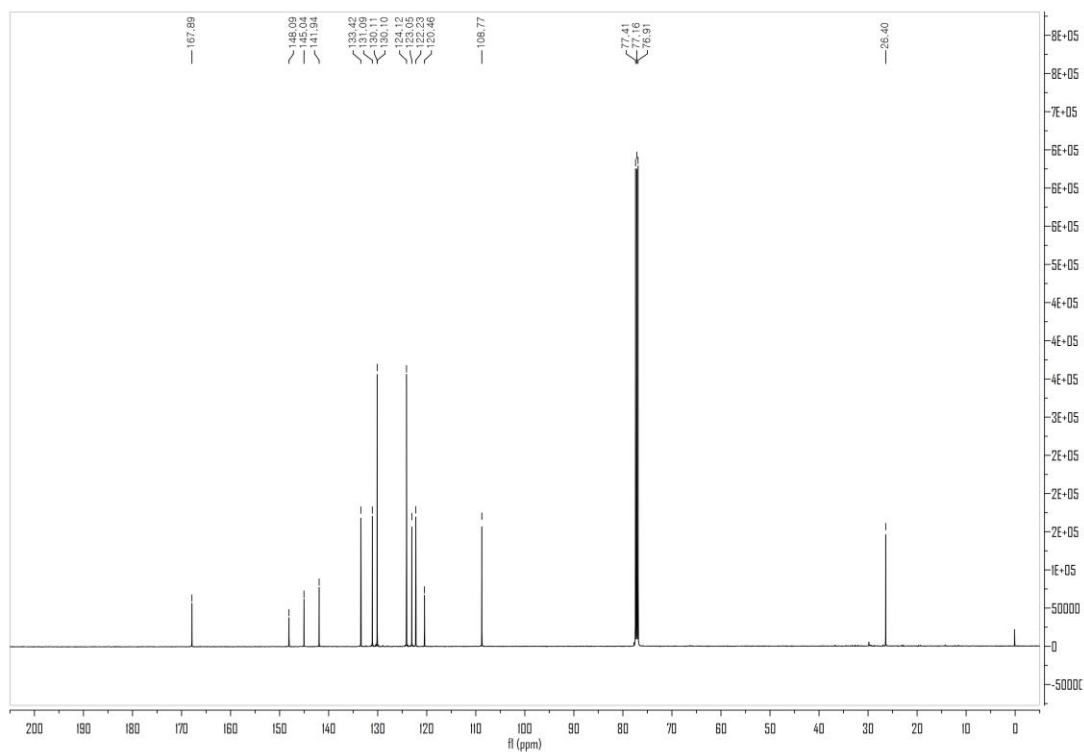


(E)-1-methyl-3-(4-nitrobenzylidene)indolin-2-one ((E)-5d)

¹H NMR spectrum of (E)-5d

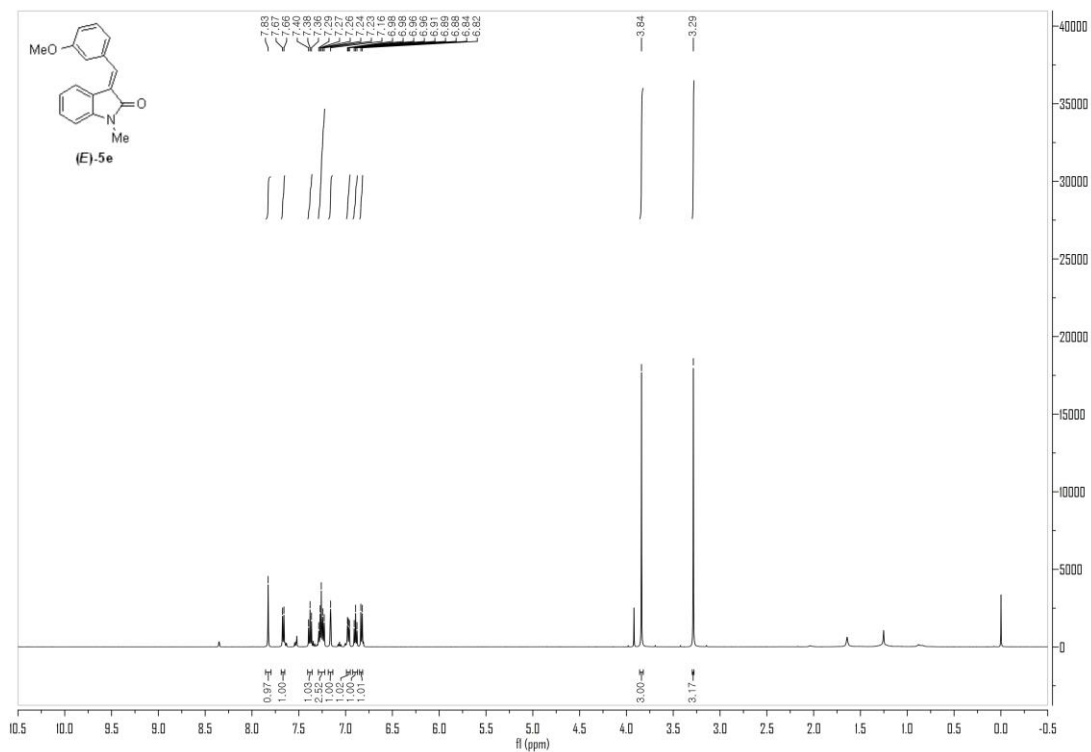


¹³C NMR spectrum of (E)-5d

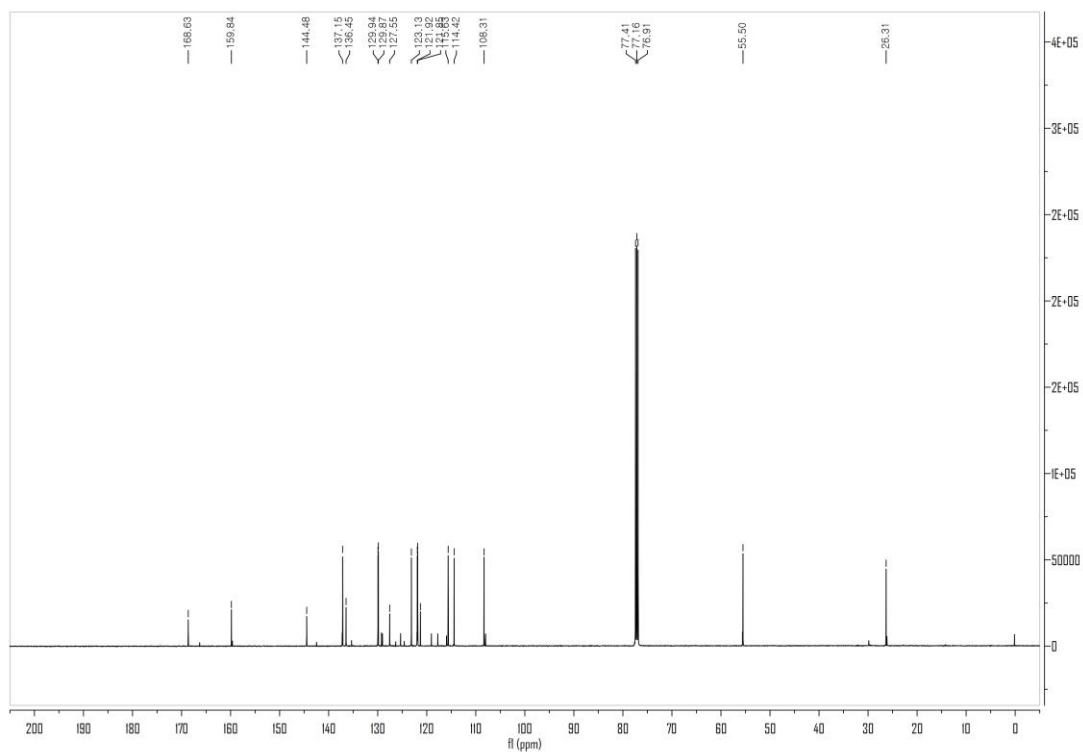


(E)-3-(3-methoxybenzylidene)-1-methylindolin-2-one ((E)-5e)

¹H NMR spectrum of (E)-5e

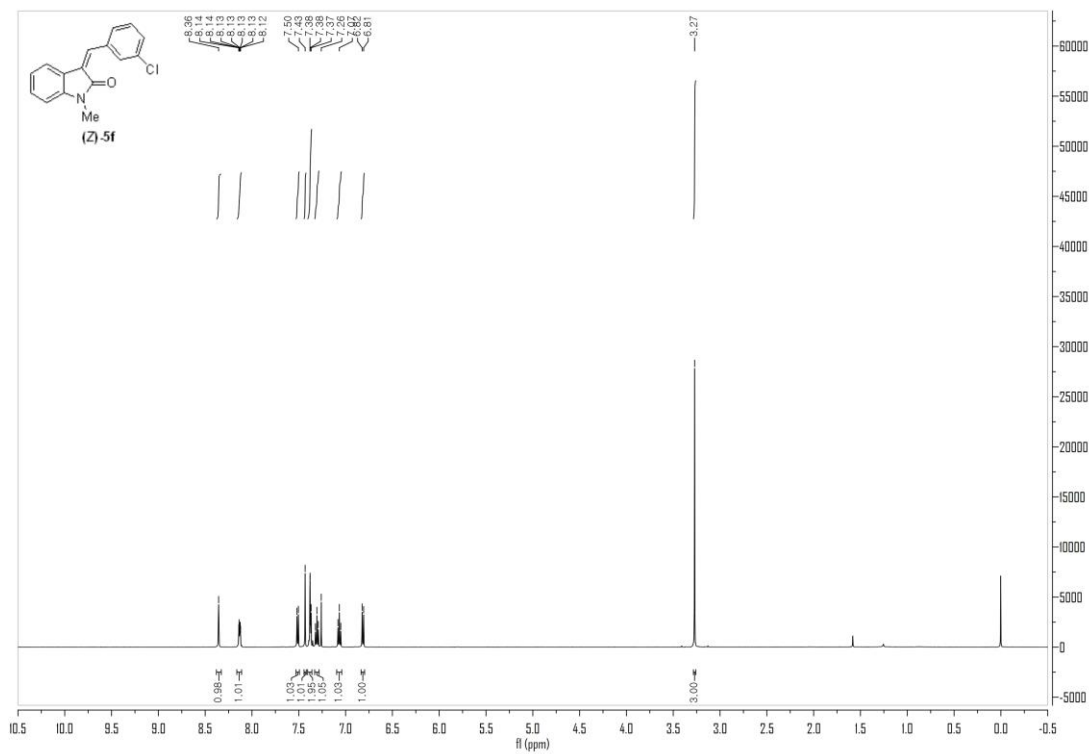


¹³C NMR spectrum of (E)-5e

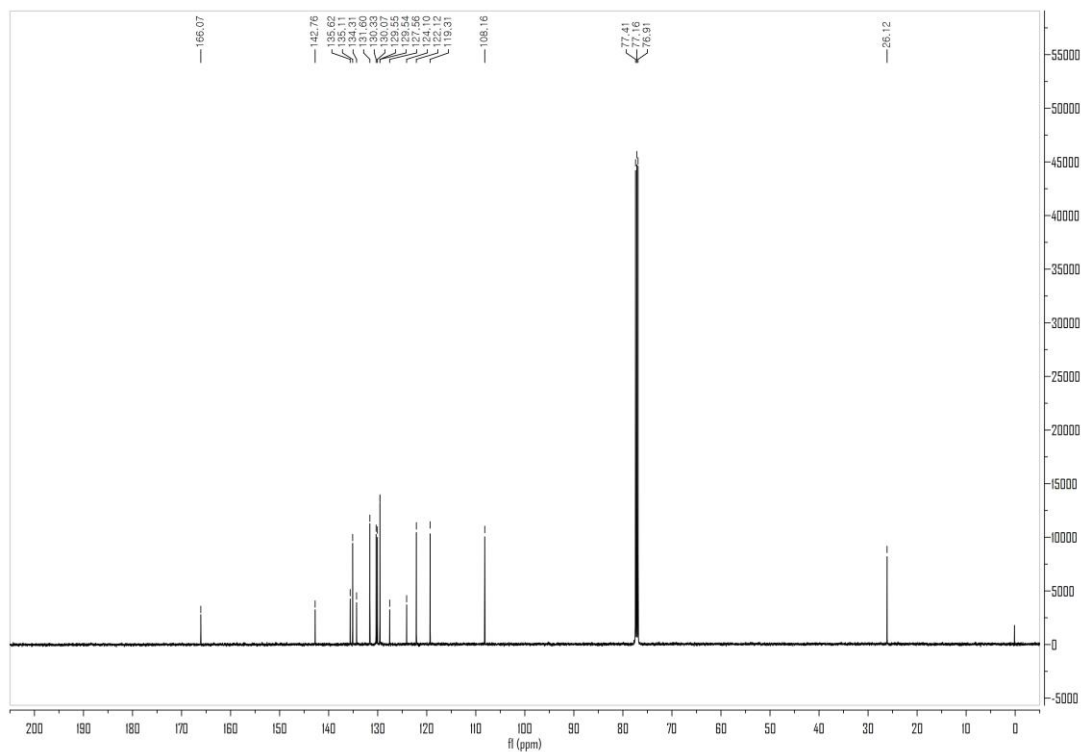


(Z)-3-(3-chlorobenzylidene)-1-methylindolin-2-one ((Z)-5f)

¹H NMR spectrum of (Z)-5f

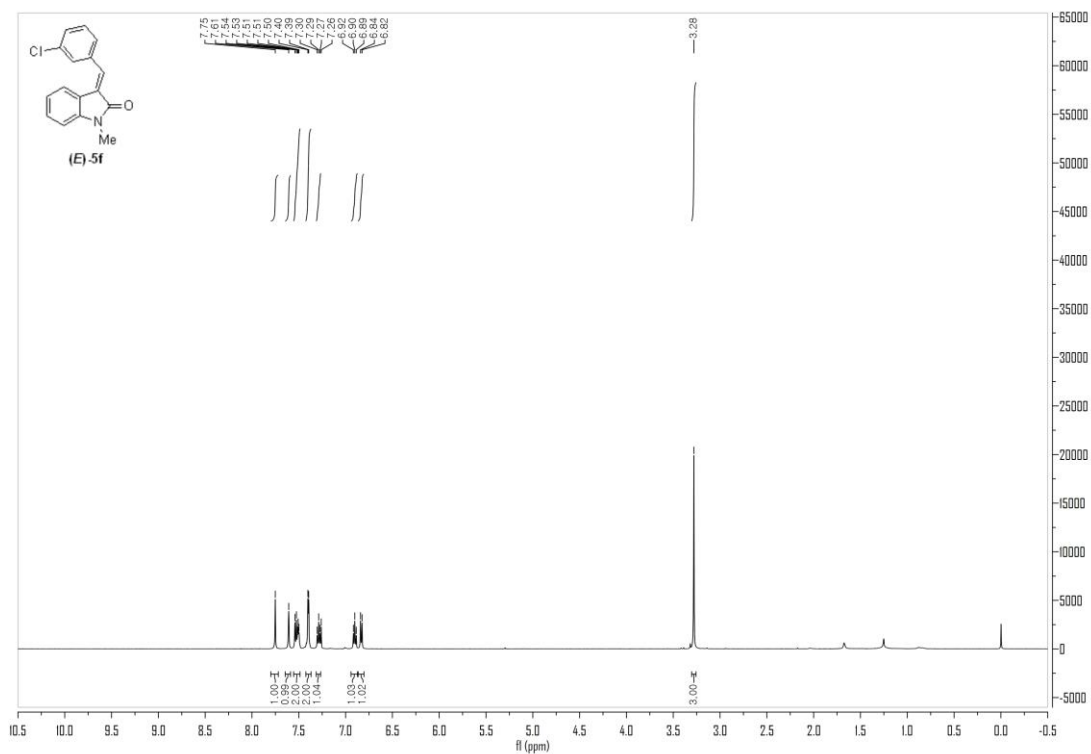


¹³C NMR spectrum of (Z)-5f

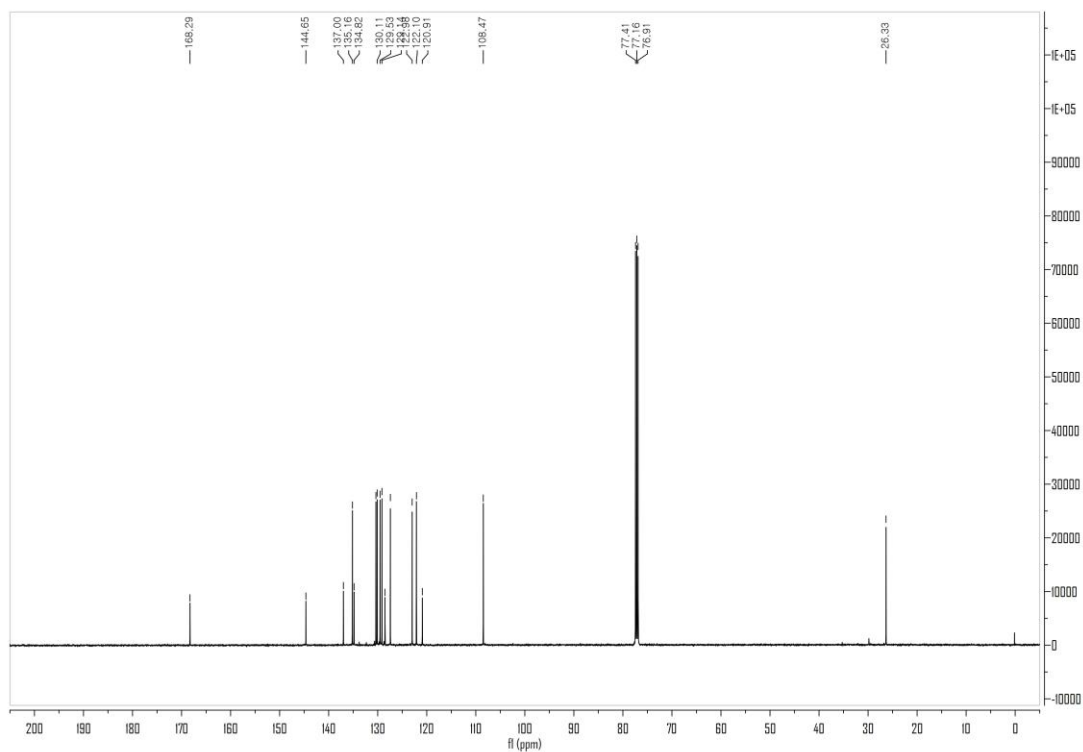


(E)-3-(3-chlorobenzylidene)-1-methylindolin-2-one ((E)-5f)

¹H NMR spectrum of (E)-5f

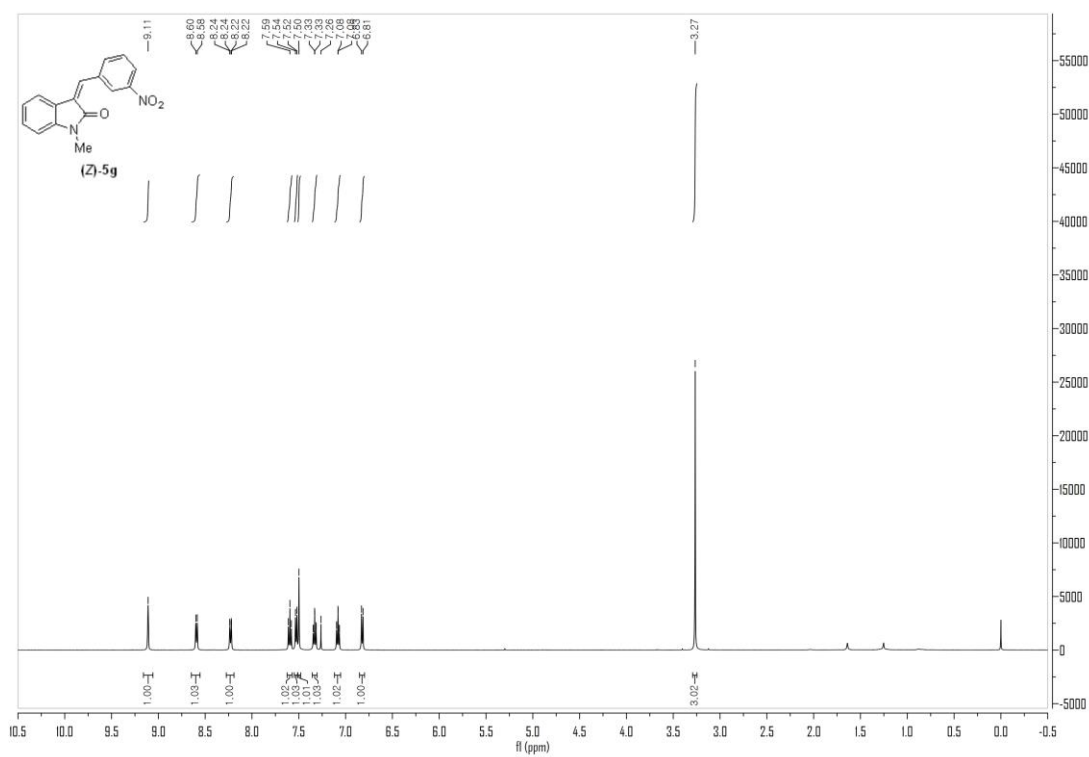


¹³C NMR spectrum of (E)-5f

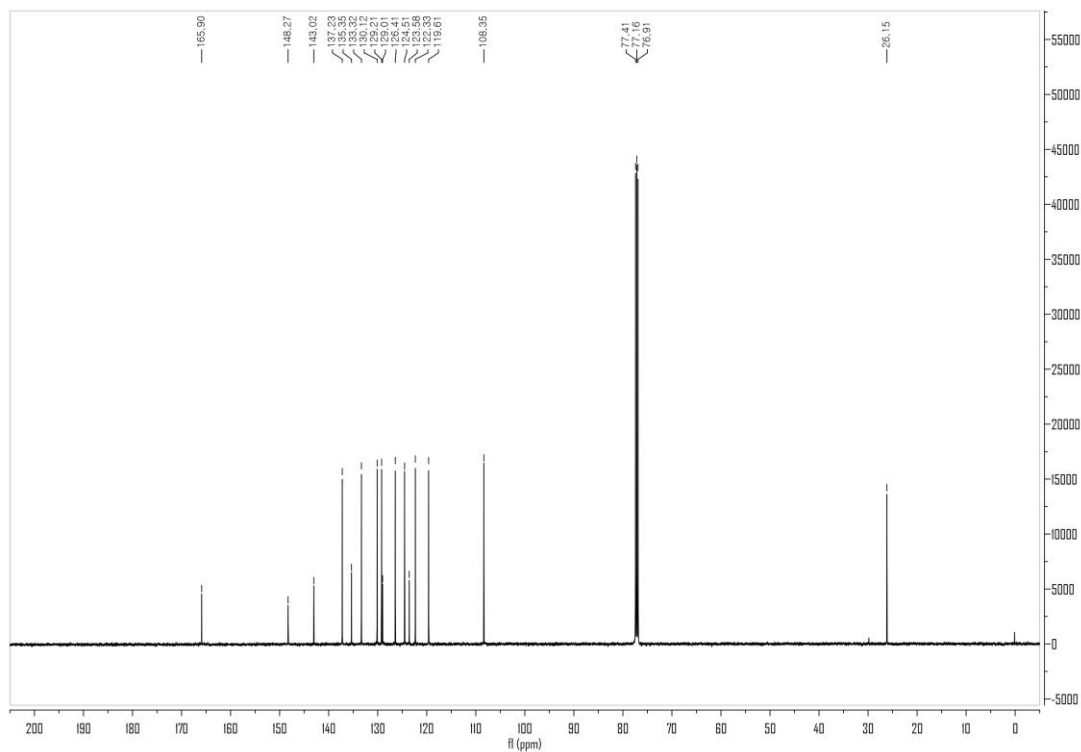


(Z)-1-methyl-3-(3-nitrobenzylidene)indolin-2-one ((Z)-5g)

¹H NMR spectrum of (Z)-5g

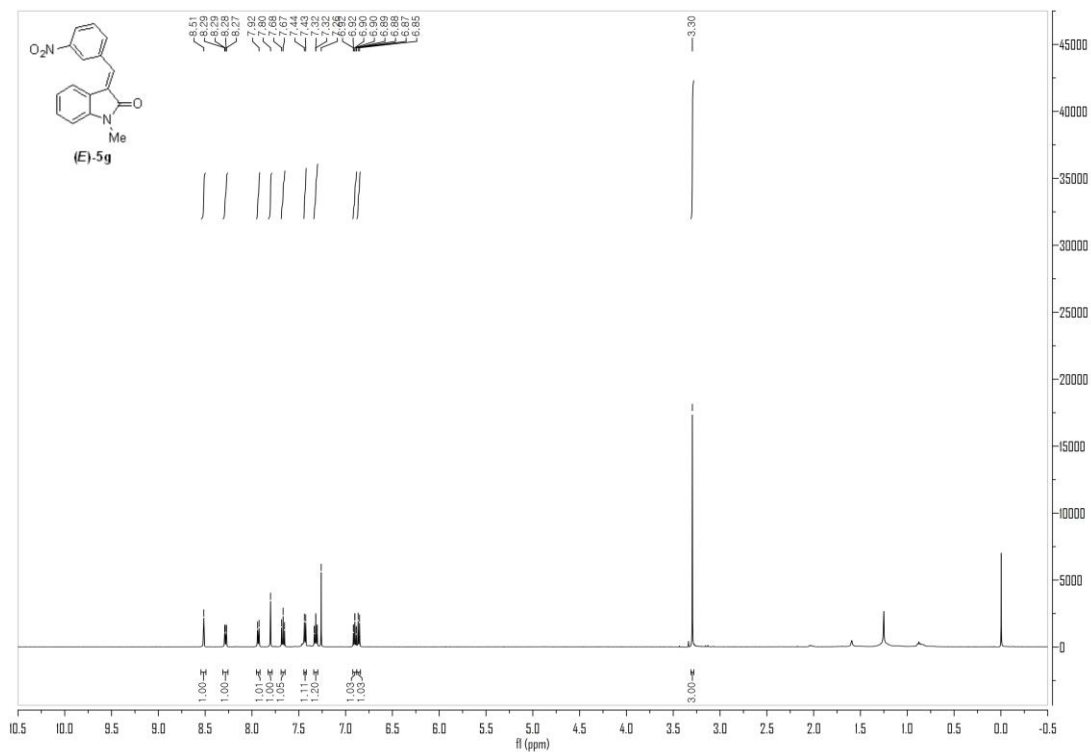


¹³C NMR spectrum of (Z)-5g

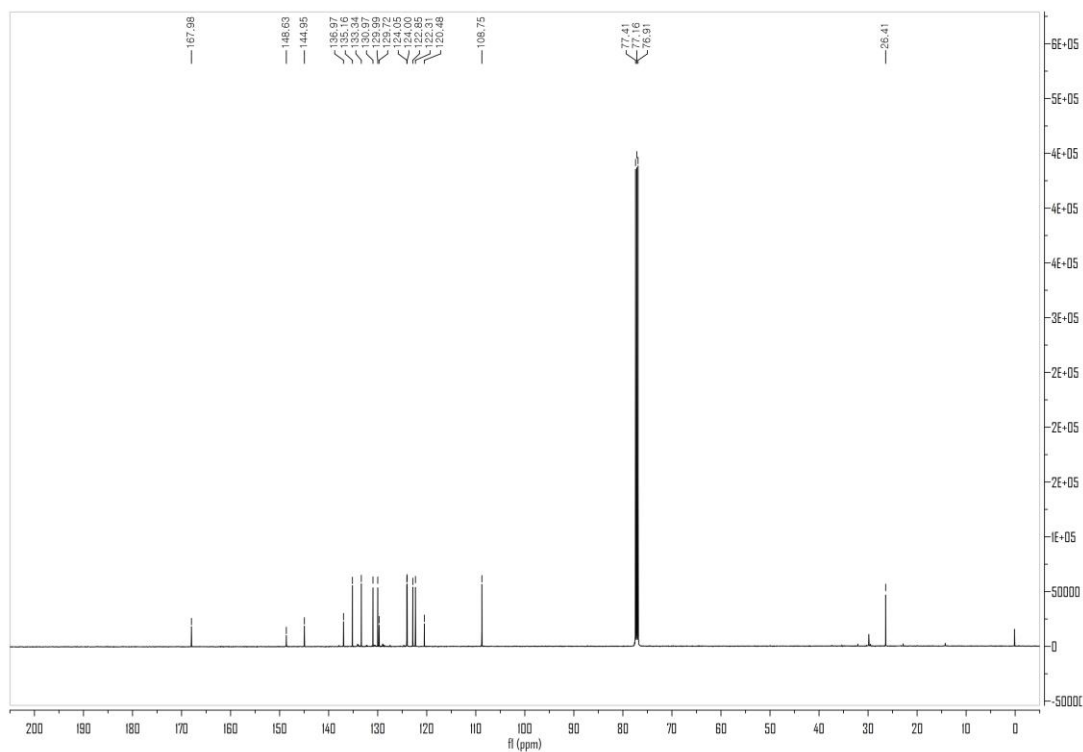


(E)-1-methyl-3-(3-nitrobenzylidene)indolin-2-one ((E)-5g)

¹H NMR spectrum of (E)-5g

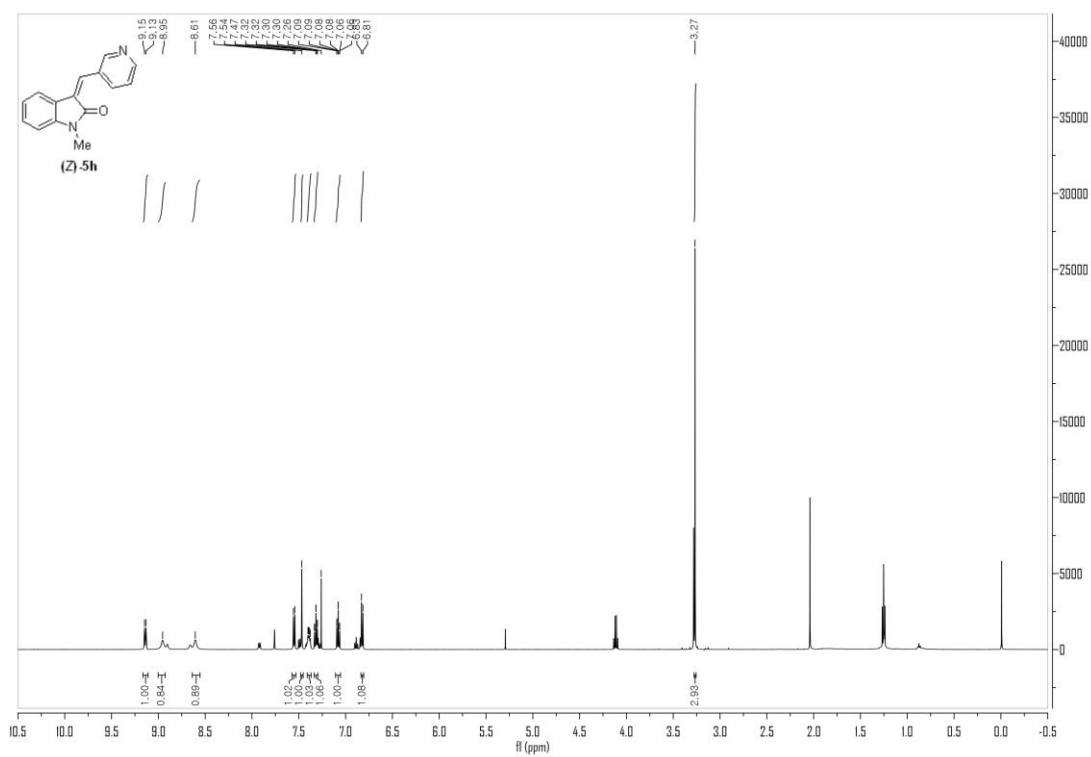


¹³C NMR spectrum of (E)-5g

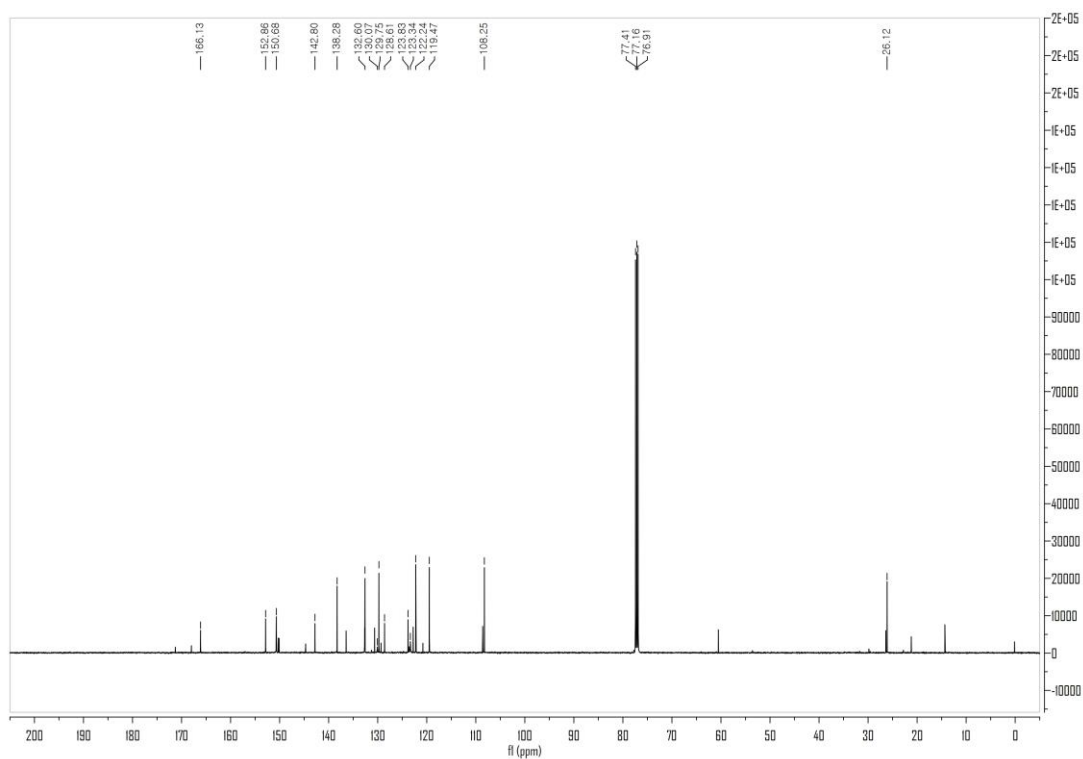


(Z)-1-methyl-3-(pyridin-3-ylmethylene)indolin-2-one ((Z)-5h)

¹H NMR spectrum of (Z)-5h

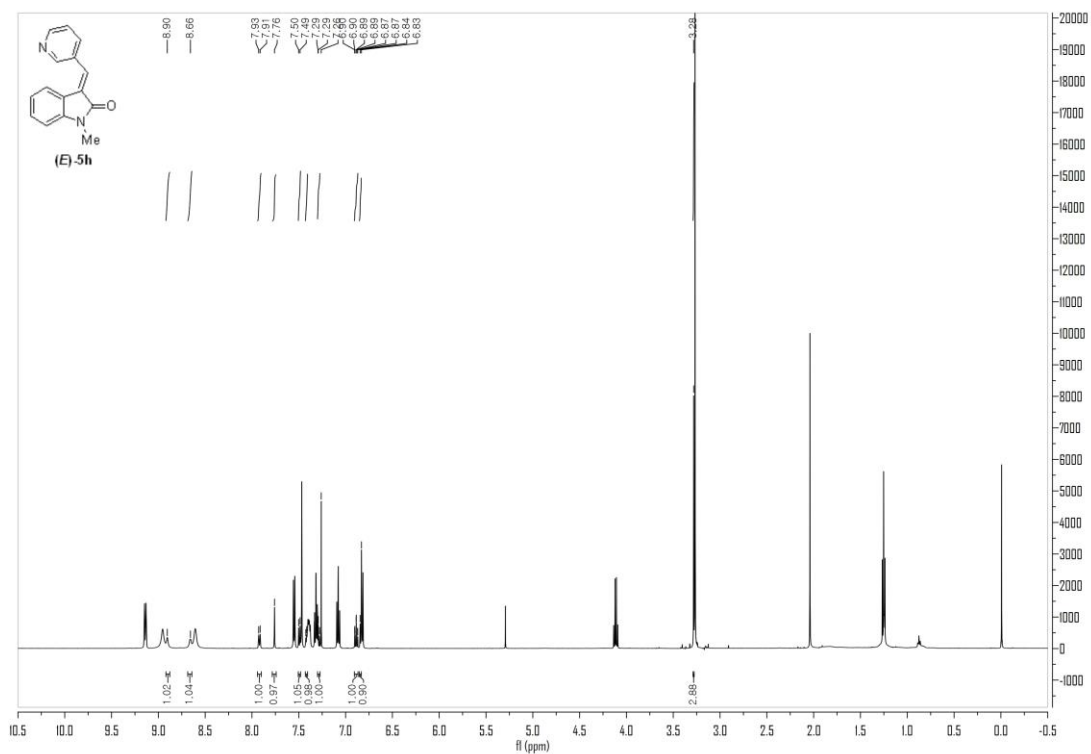


¹³C NMR spectrum of (Z)-5h



(E)-1-methyl-3-(pyridin-3-ylmethylene)indolin-2-one ((E)-5h)

¹H NMR spectrum of (E)-5h



¹³C NMR spectrum of (E)-5h

