

Supplementary Material

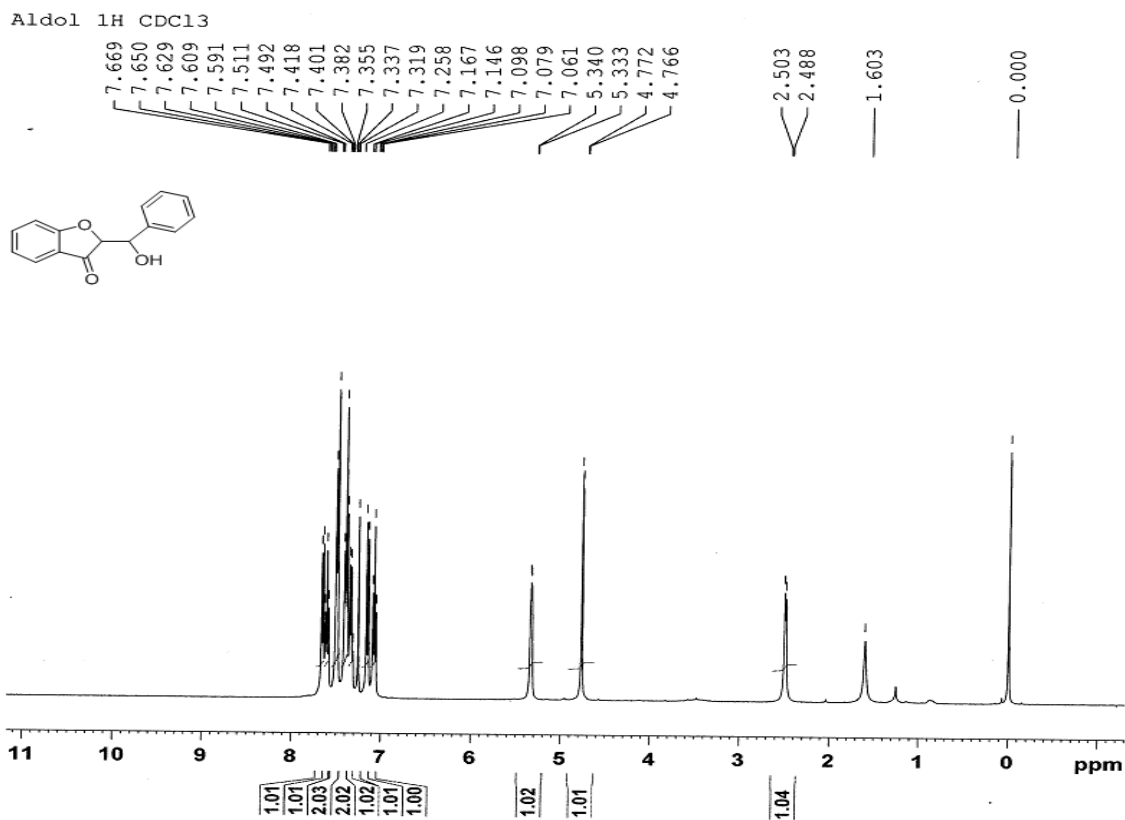
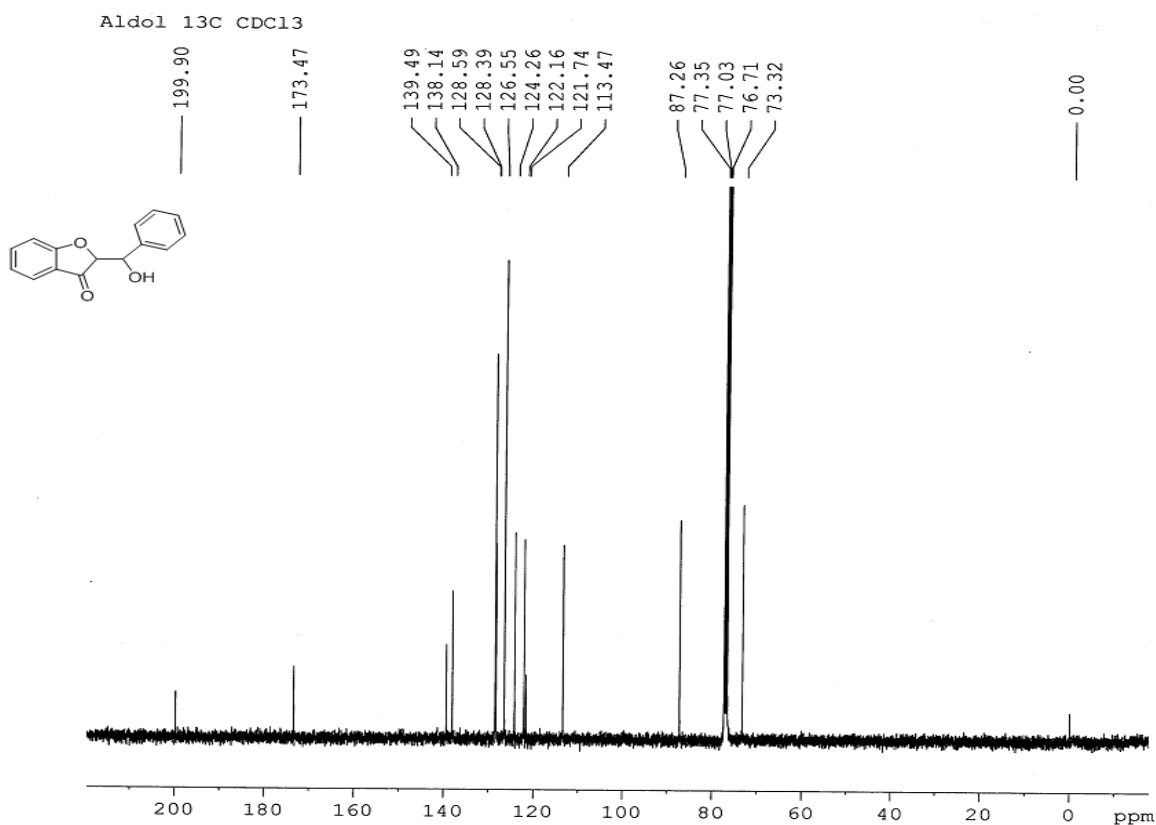
**"On water" Synthesis of Aurones: First Synthesis of
4,5,3',4',5'-Pentamethoxy-6-hydroxyaurone from *Smilax Riparia***

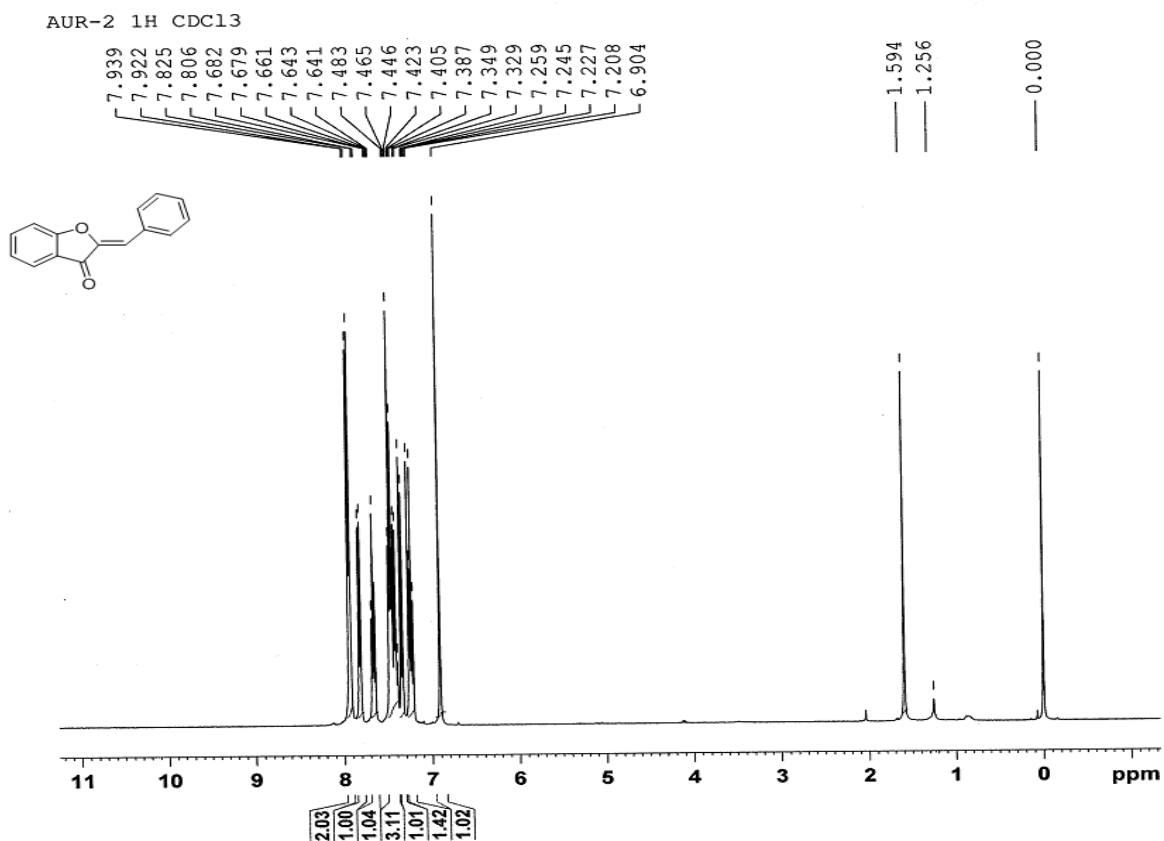
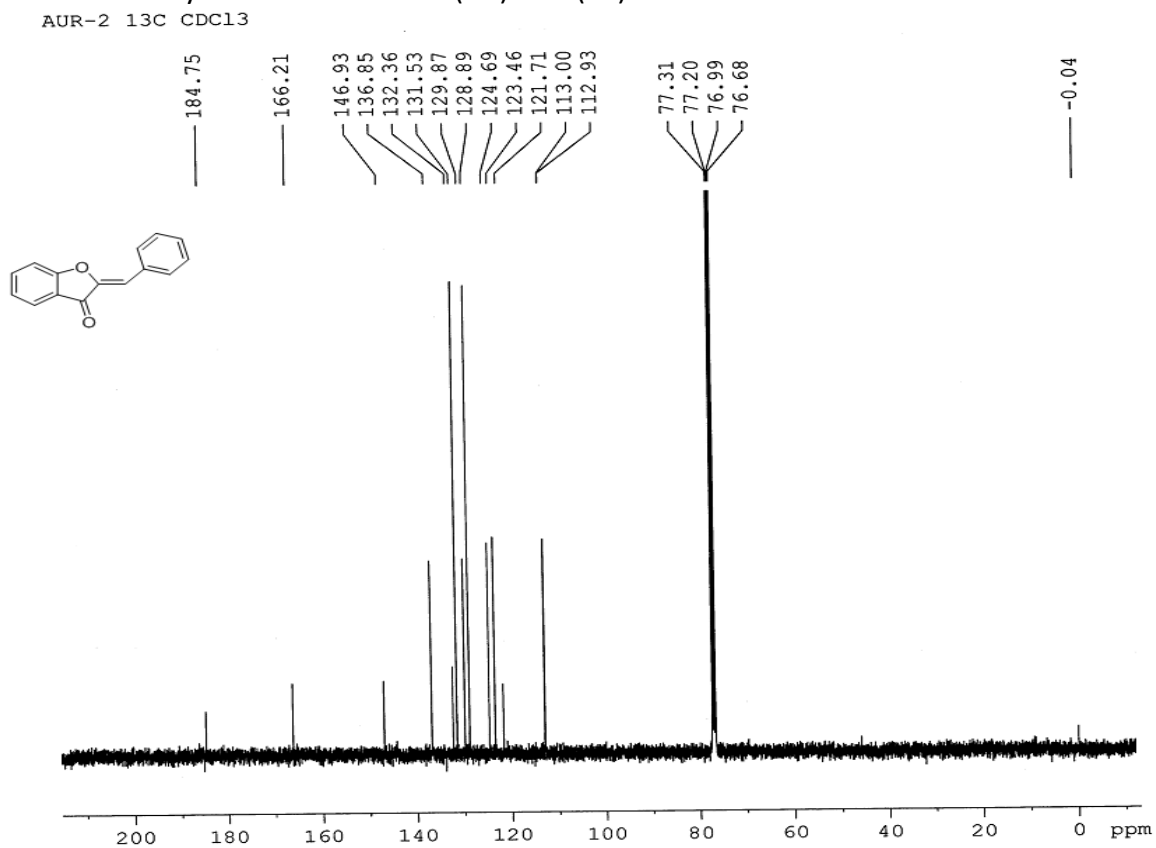
Somepalli Venkateswarlu,* Gandrotu Narasimha Murty, and Meka Satyanarayana

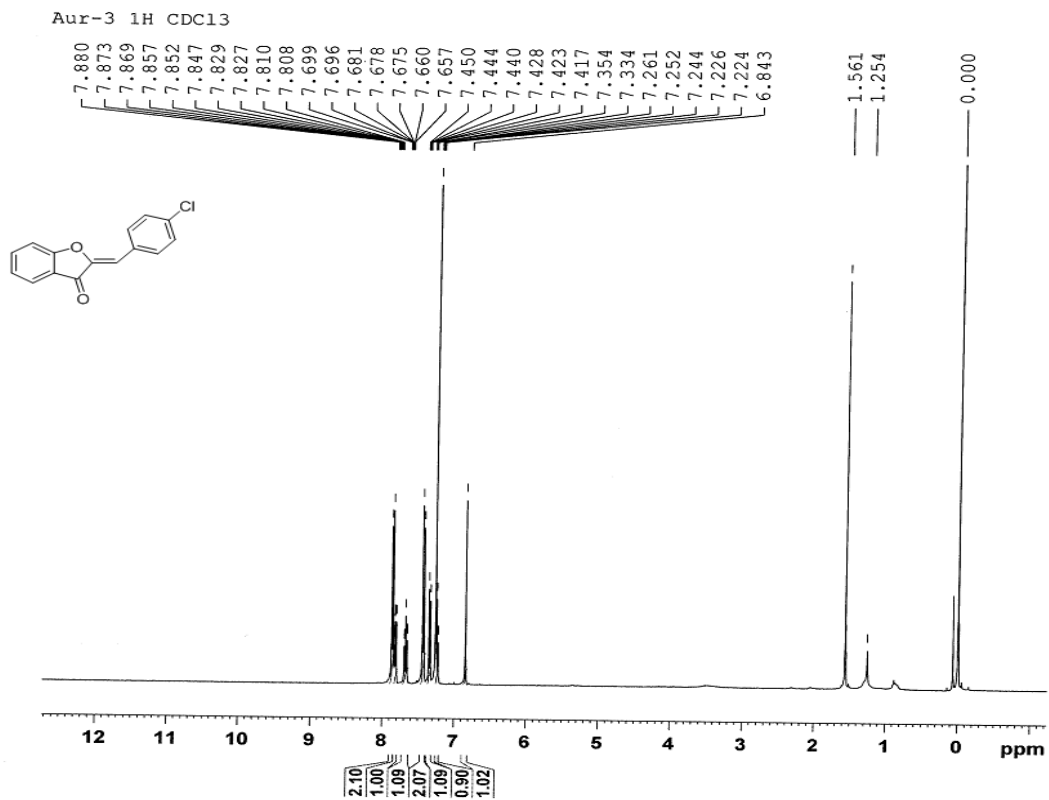
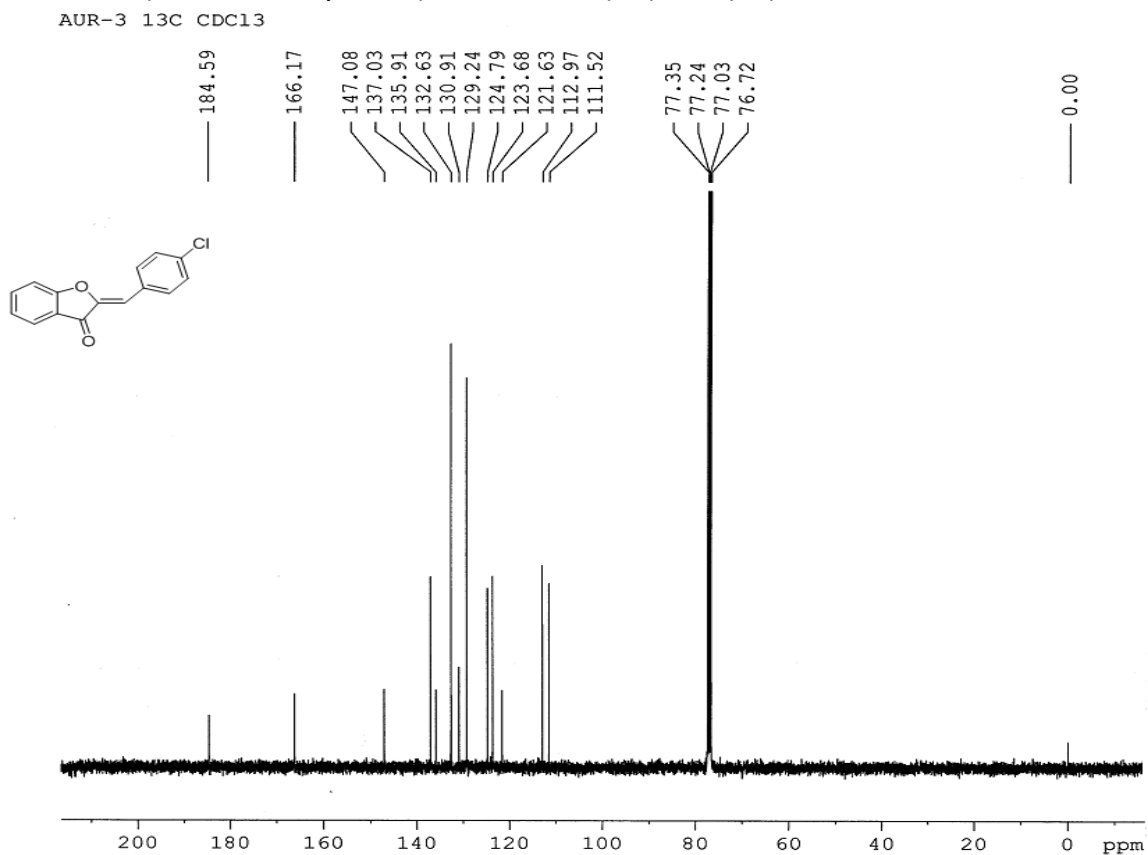
*Drug Discovery, Laila Impex Research Centre, No. 1, Phase III, Jawahar Autonagar,
Vijayawada-520 007, India**E-mail: drvsomepalli@gmail.com; somepalli01@rediffmail.com*

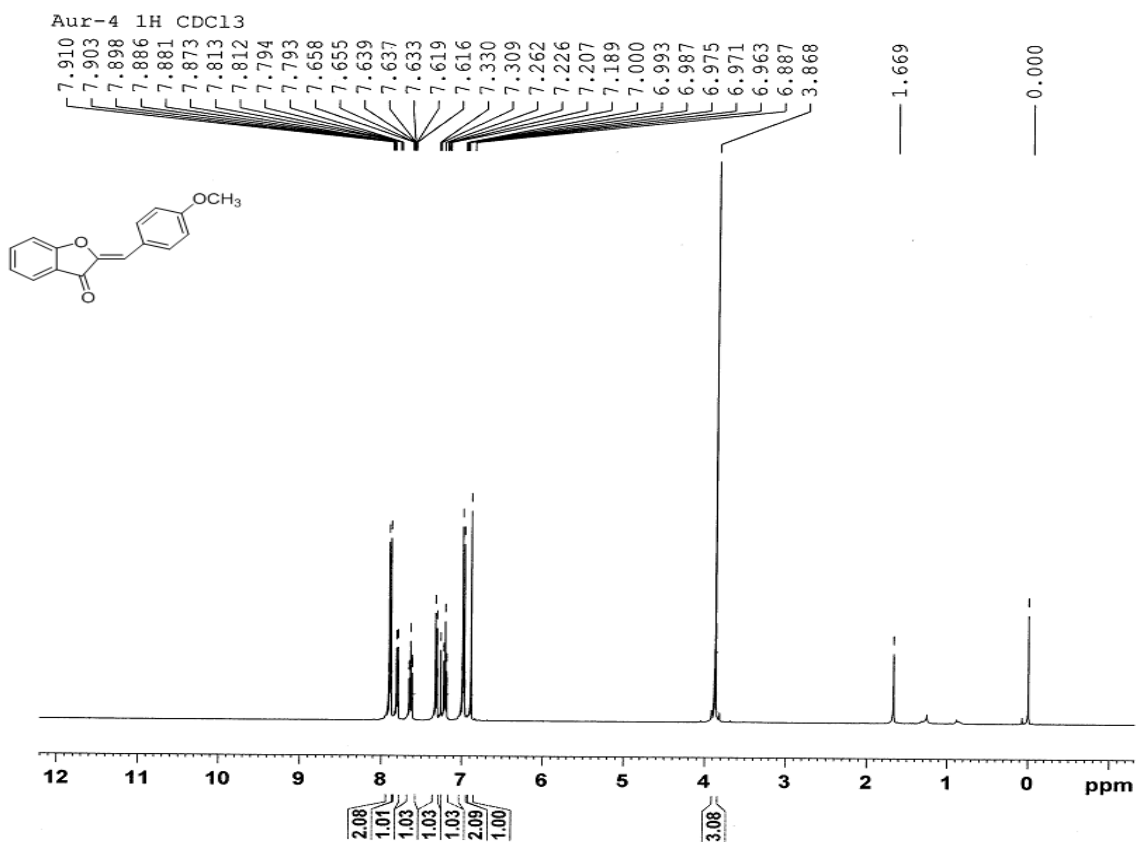
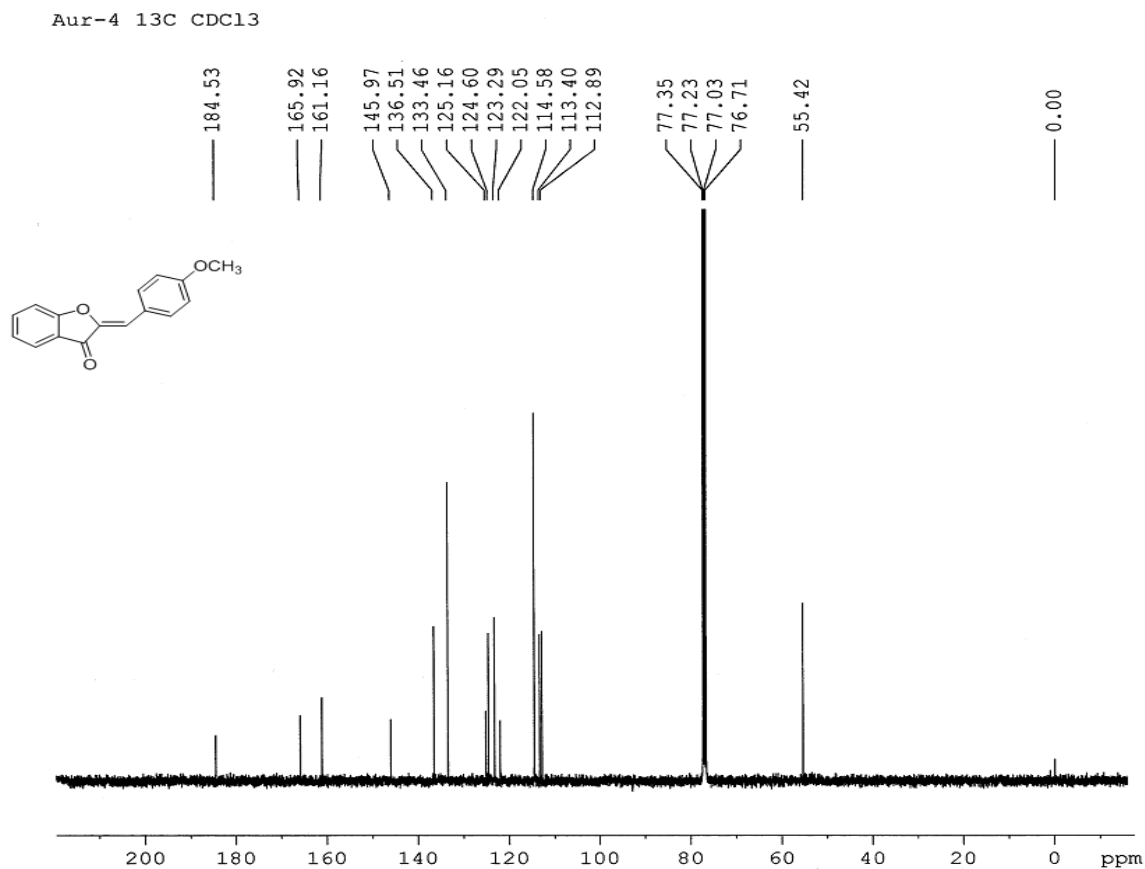
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^1H NMR of 2-[hydroxy(phenyl)methyl]benzofuran-3(2H)-one (**3**) ^{13}C NMR of 2-[hydroxy(phenyl)methyl]benzofuran-3(2H)-one (**3**)

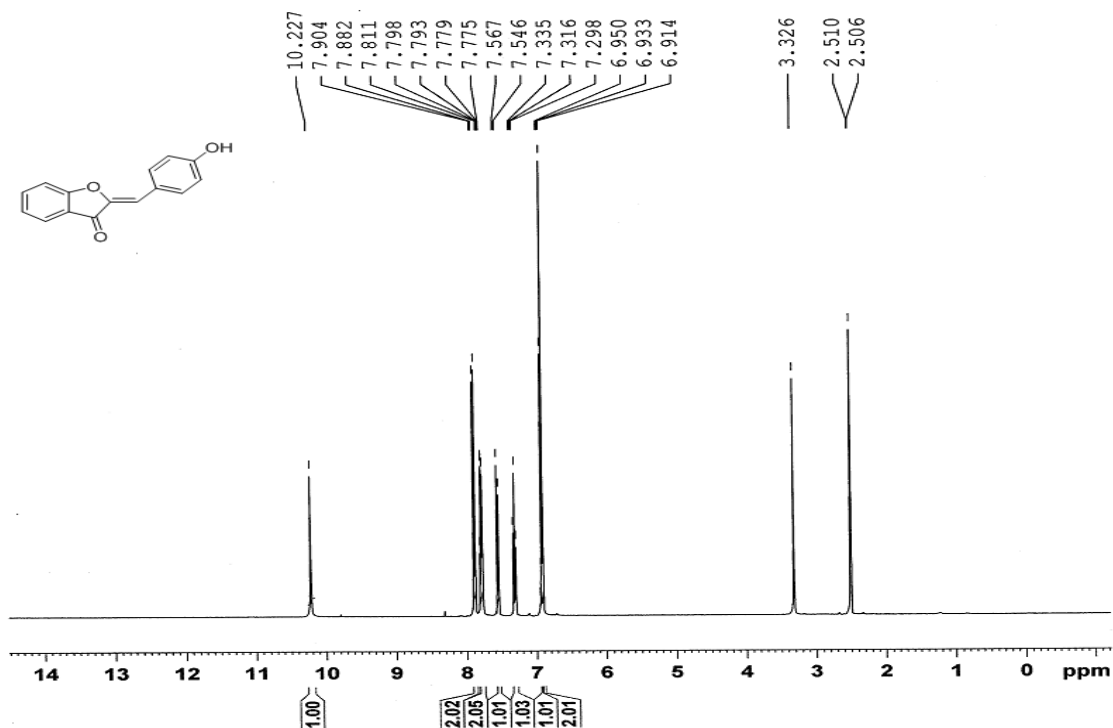
¹H NMR of 2-benzylidenebenzofuran-3(2H)-one (4a)¹³C NMR of 2-benzylidenebenzofuran-3(2H)-one (4a)

^1H NMR of 2-(4-chlorobenzylidene)benzofuran-3(2H)-one (**4b**) ^{13}C NMR of 2-(4-chlorobenzylidene)benzofuran-3(2H)-one (**4b**)

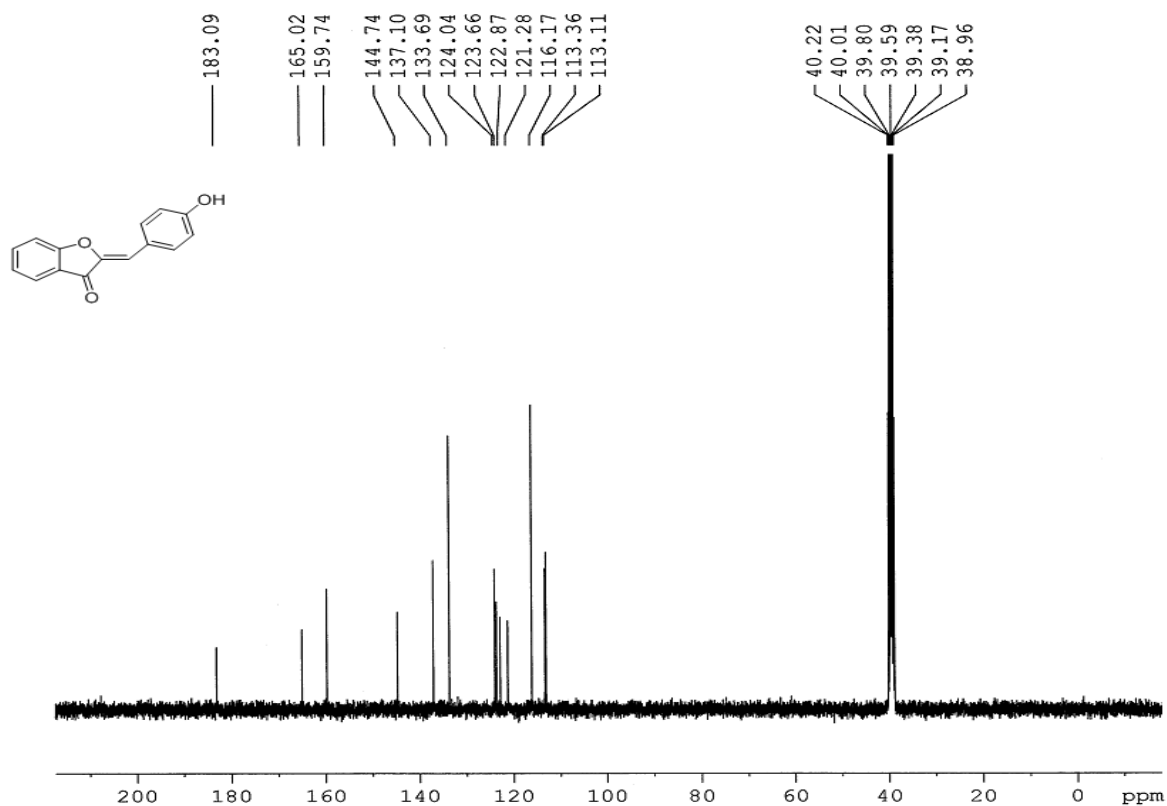
¹H NMR of 2-(4-methoxybenzylidene)benzofuran-3(2H)-one (**4c**)¹³C NMR of 2-(4-methoxybenzylidene)benzofuran-3(2H)-one (**4c**)

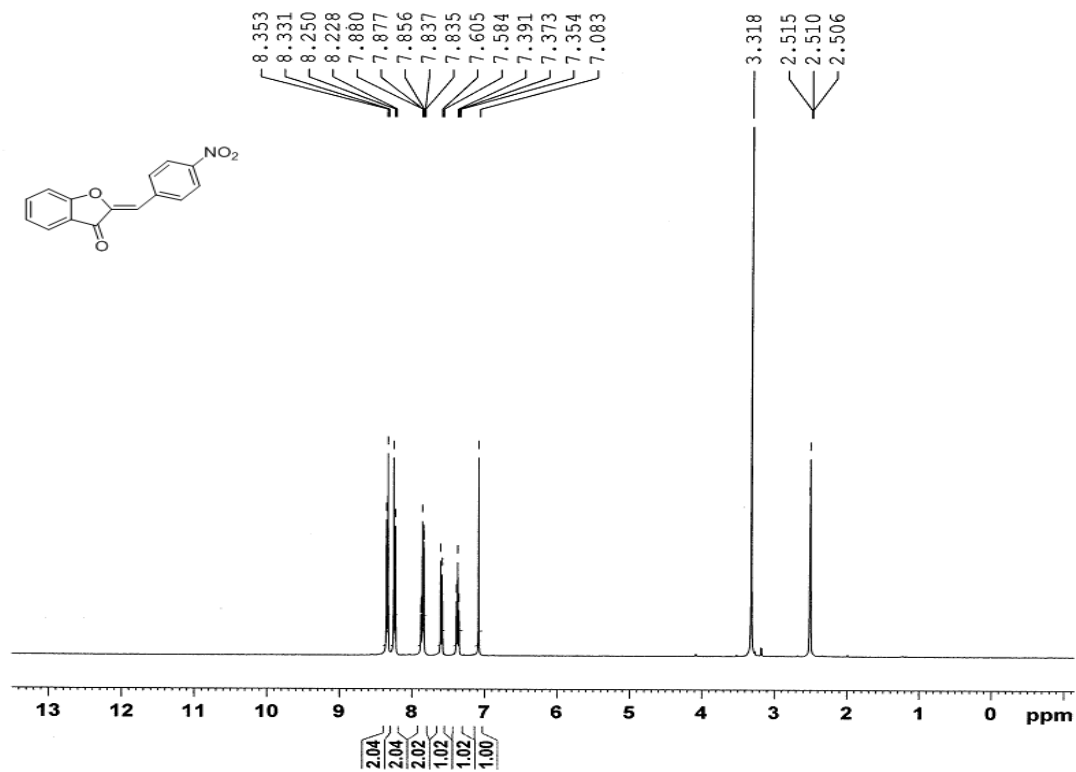
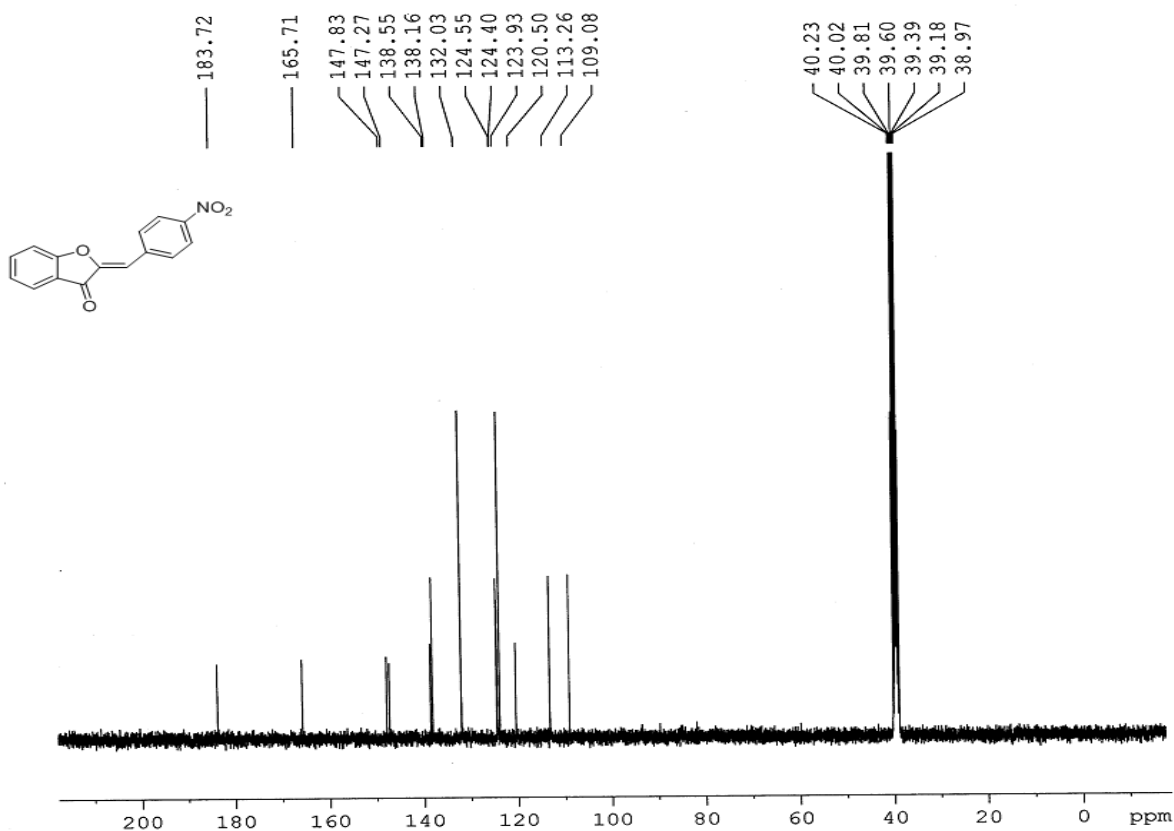
^1H NMR of 2-(4-hydroxybenzylidene)benzofuran-3(2H)-one (**4d**)

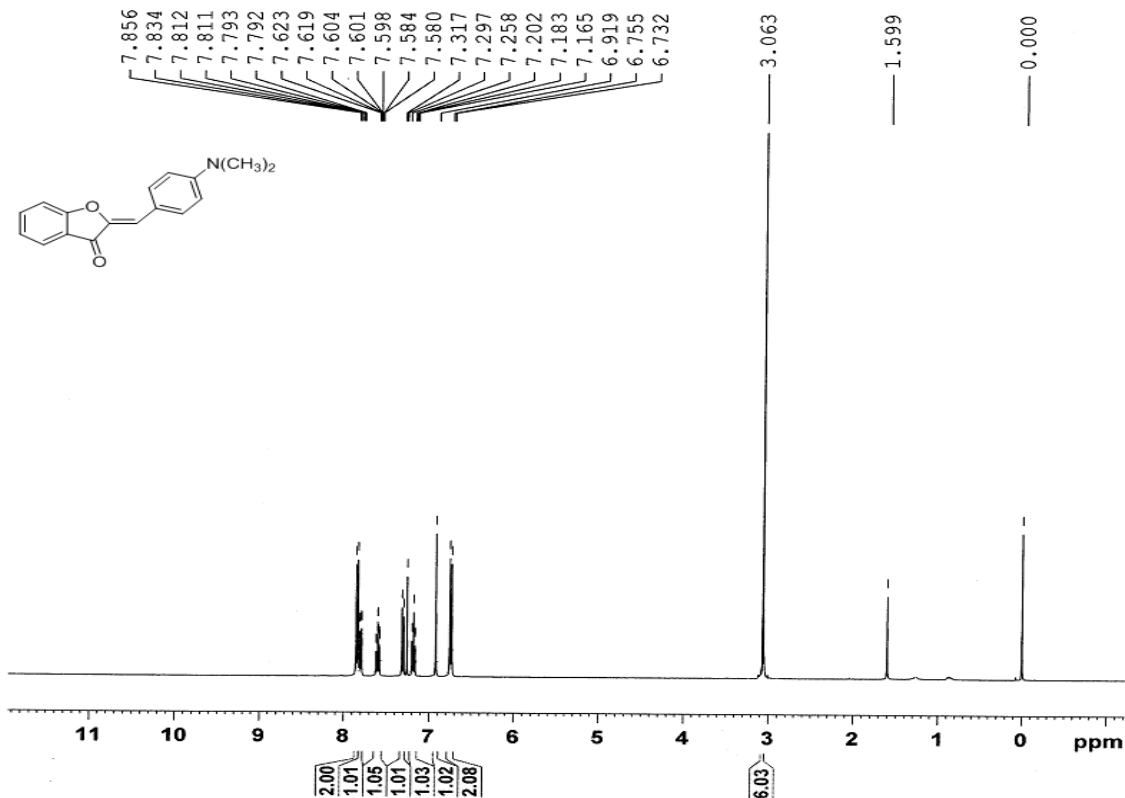
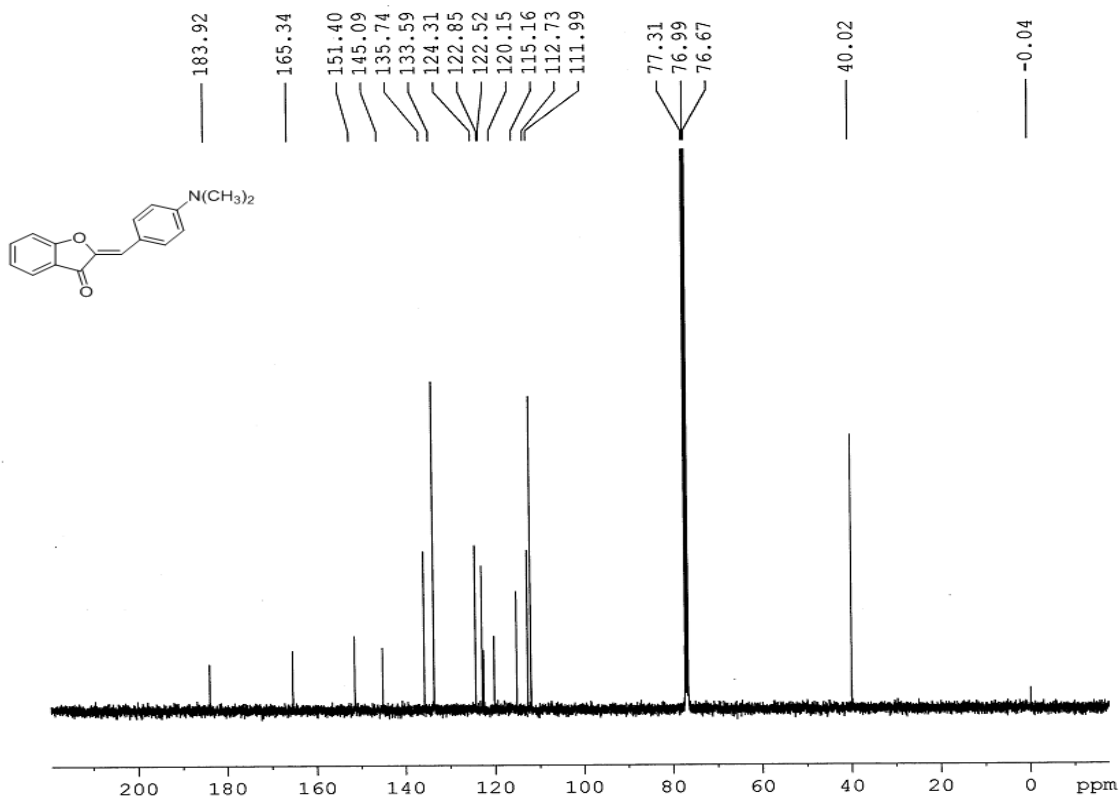
AUR-5 1H DMSO

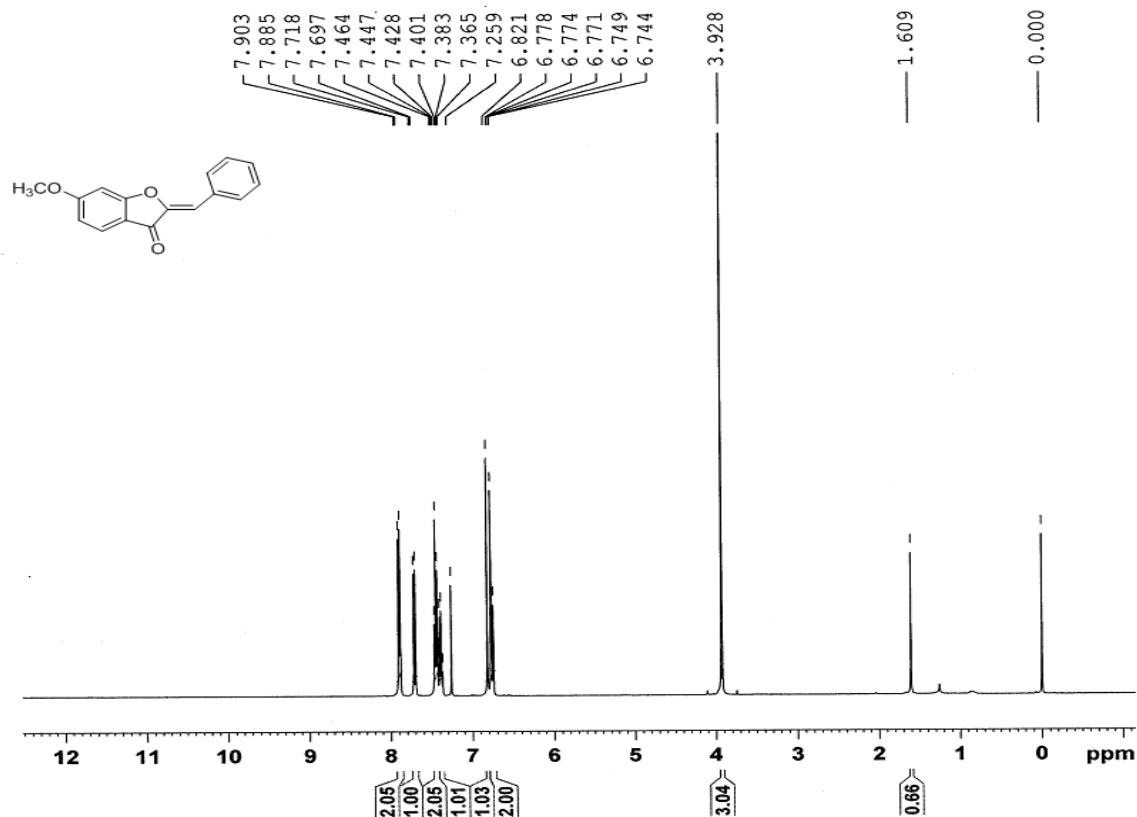
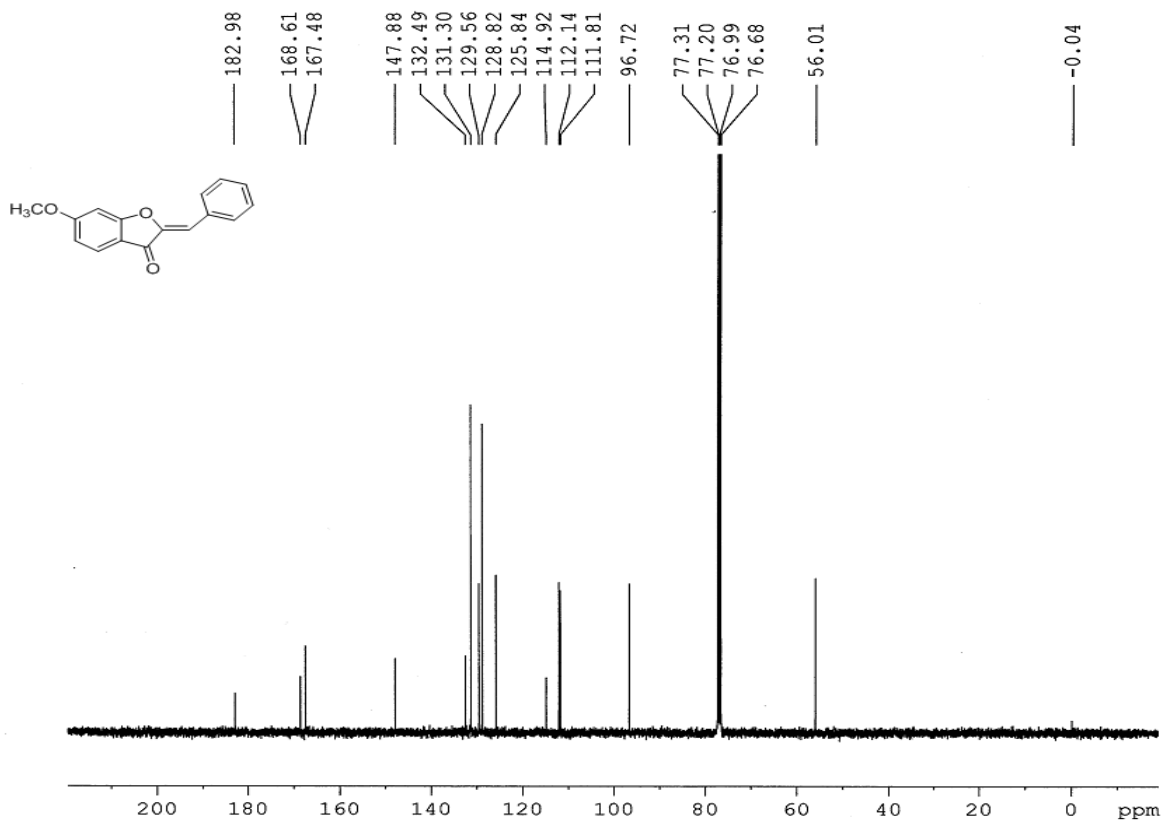
 ^{13}C NMR of 2-(4-hydroxybenzylidene)benzofuran-3(2H)-one (**4d**)

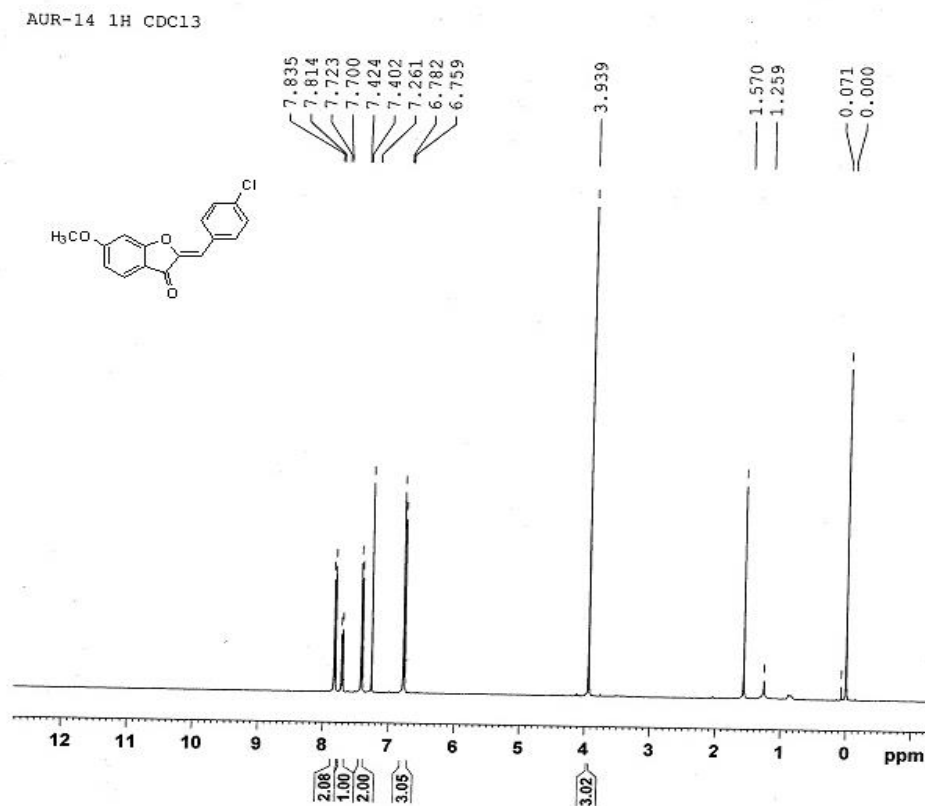
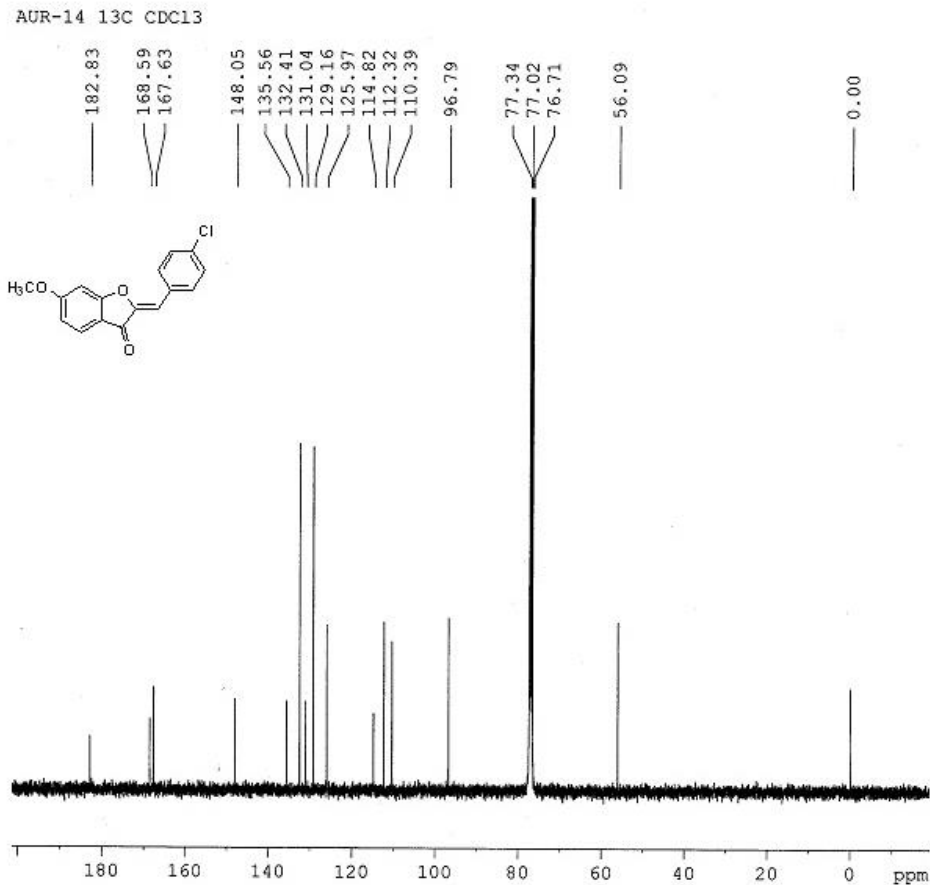
AUR-5 13C DMSO

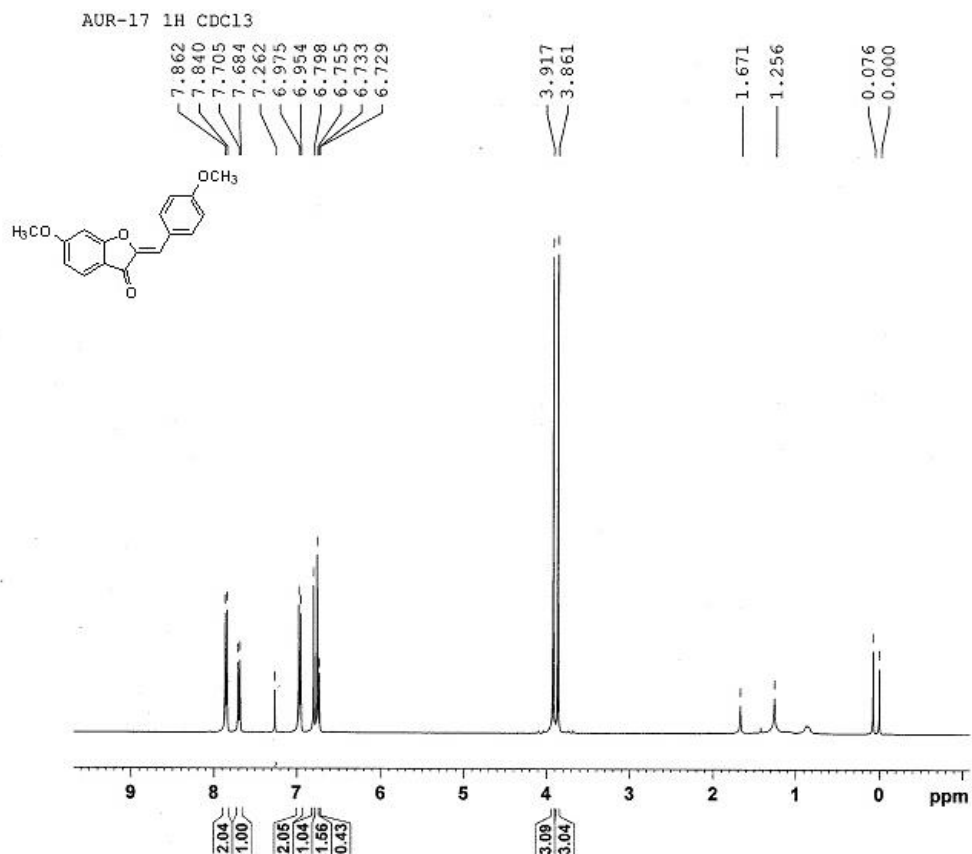
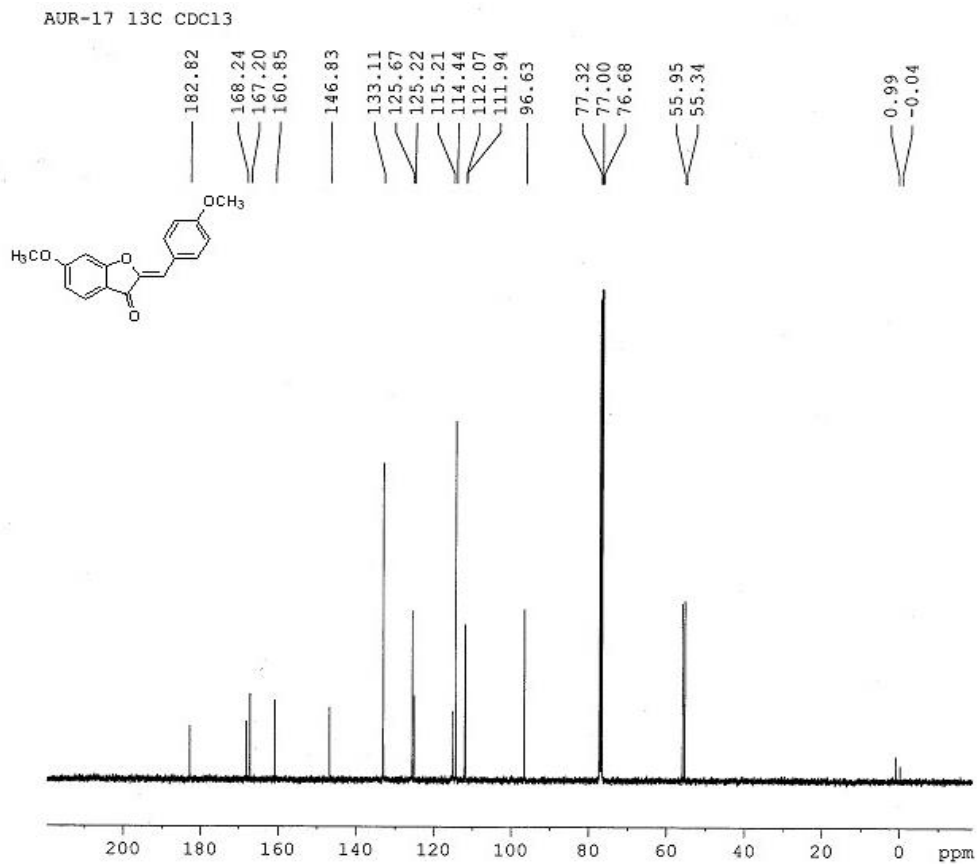


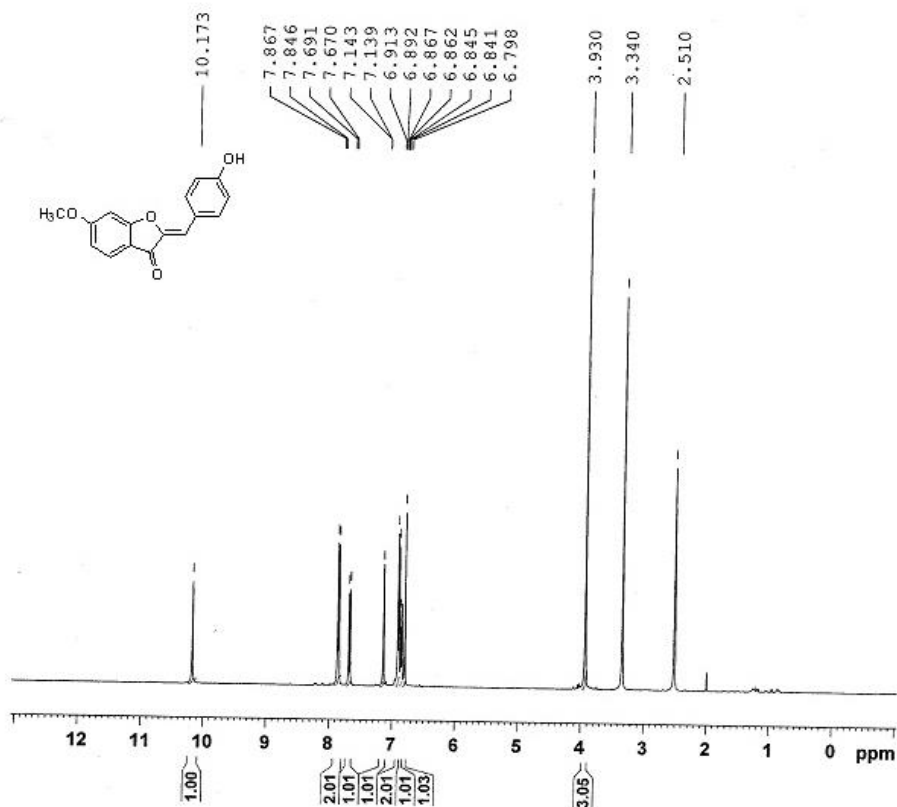
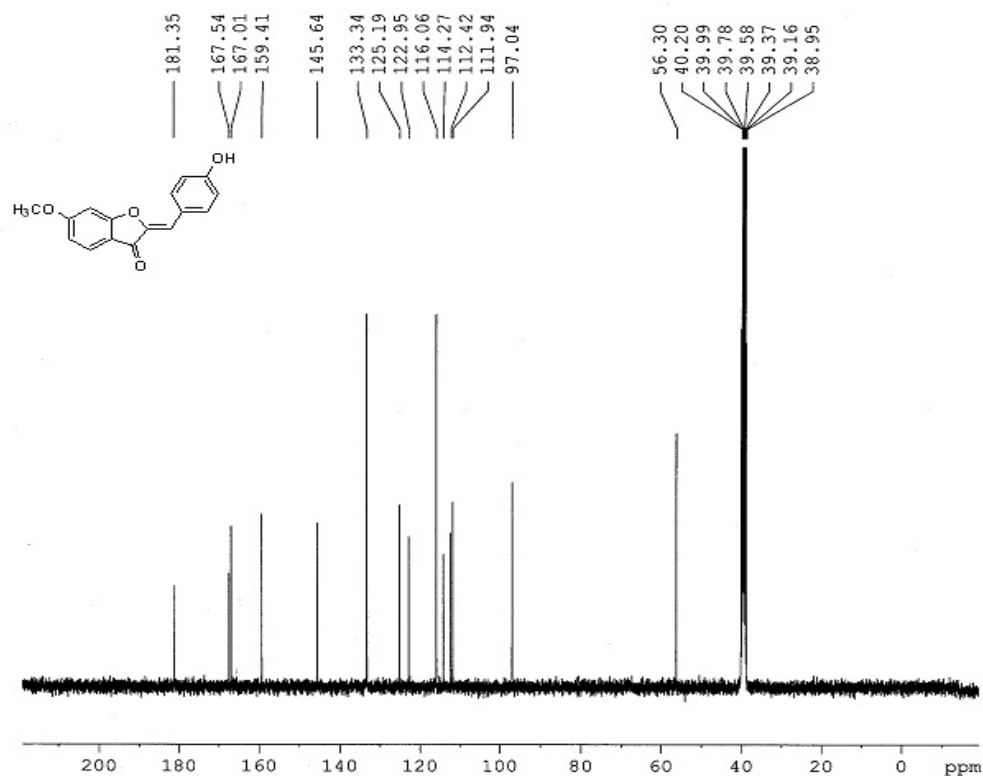
^1H NMR of 2-(4-nitrobenzylidene)benzofuran-3(2H)-one (**4e**)Aur-7 ^1H DMSO ^{13}C NMR of 2-(4-nitrobenzylidene)benzofuran-3(2H)-one (**4e**)AUR-7 ^{13}C DMSO

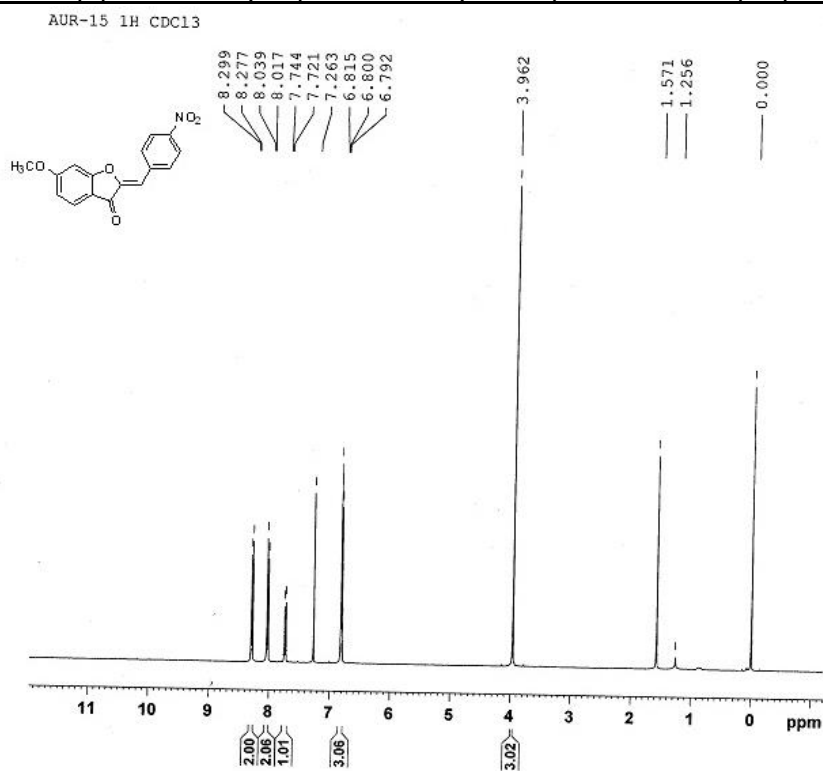
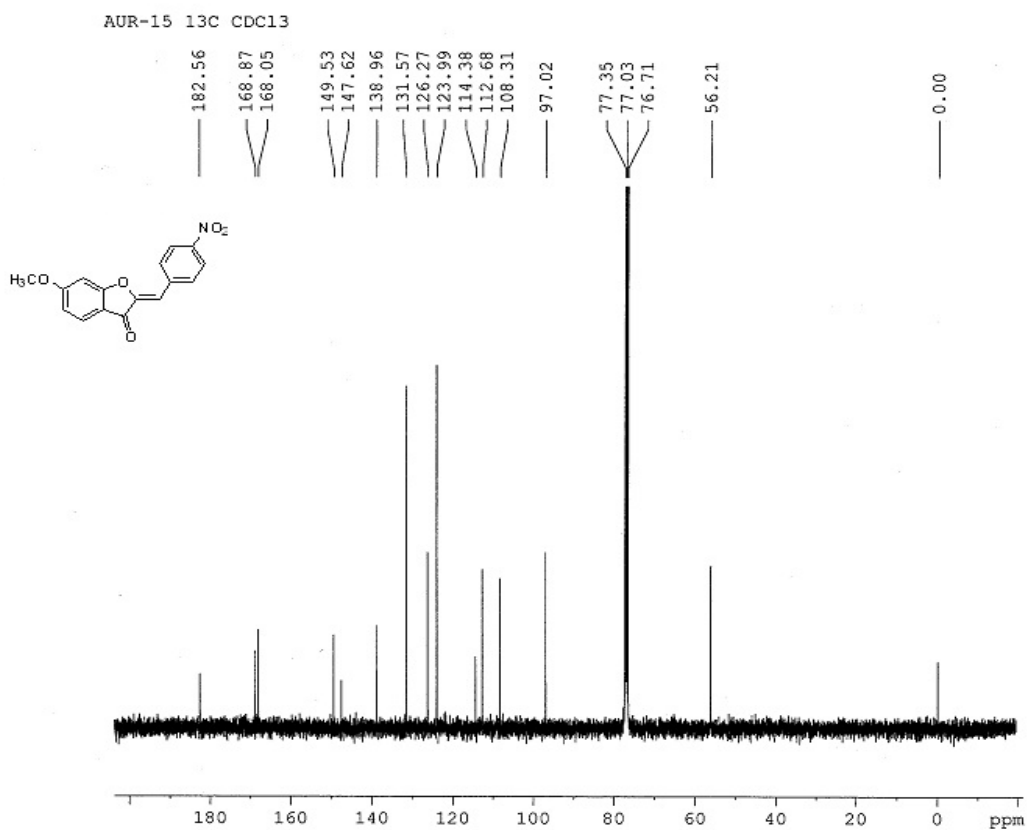
^1H NMR of 2-(4-(dimethylamino)benzylidene)benzofuran-3(2H)-one (**4f**)Aur-6 ^1H CDCl_3  ^{13}C NMR of 2-(4-(dimethylamino)benzylidene)benzofuran-3(2H)-one (**4f**)Aur-6 ^{13}C CDCl_3 

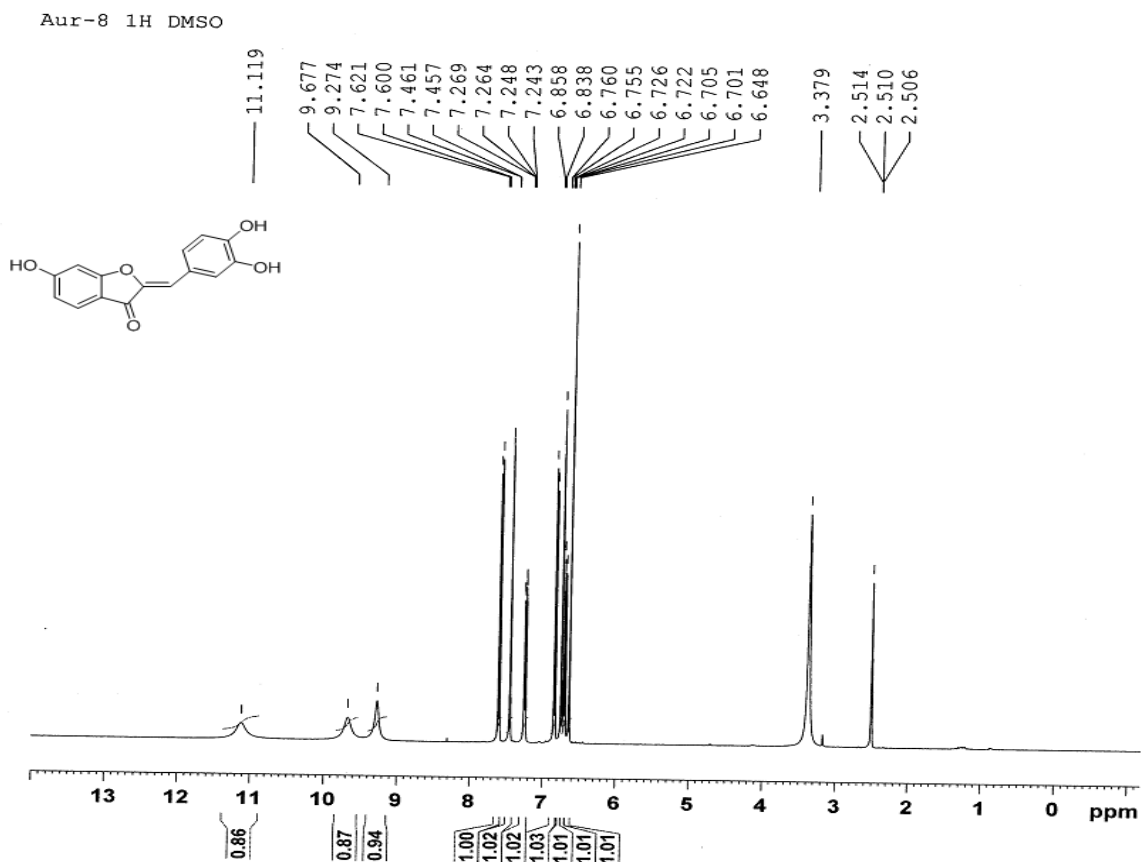
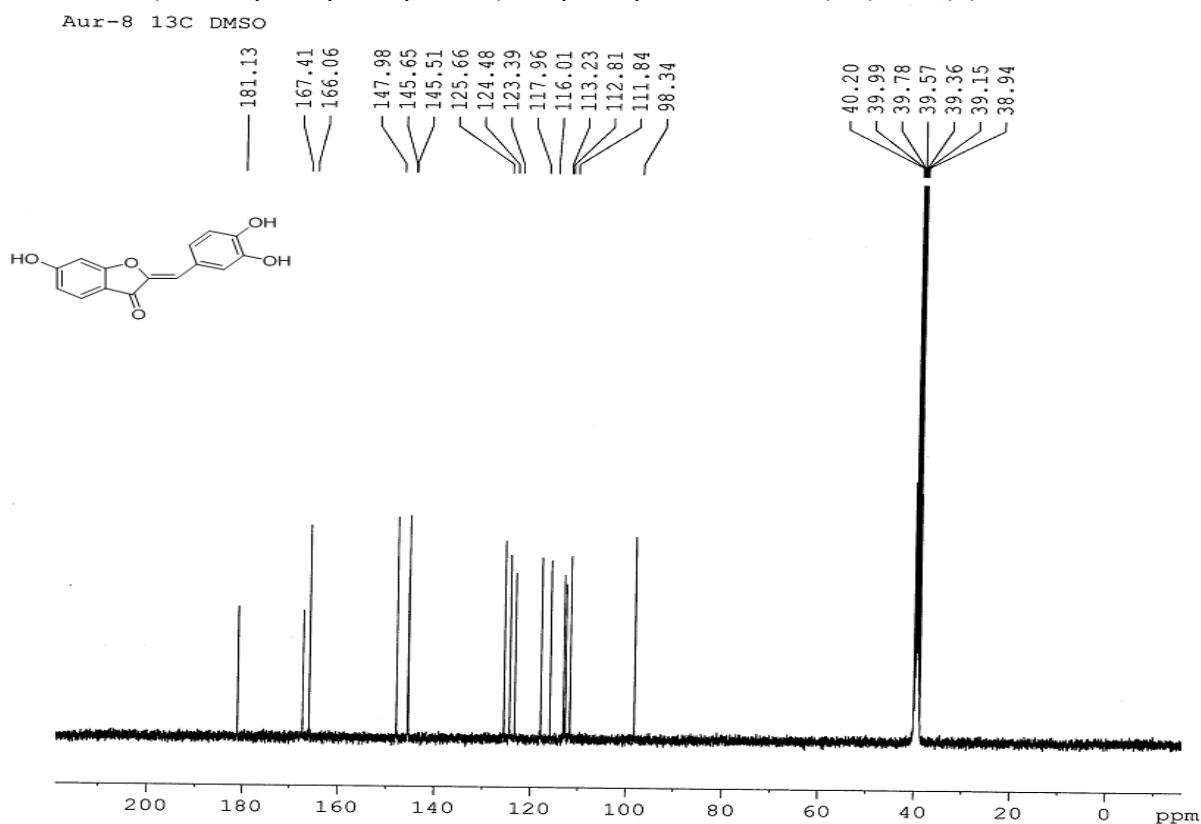
^1H NMR of 2-benzylidene-6-methoxybenzofuran-3(2H)-one (**4g**)AUR-9 ^1H CDCl_3  ^{13}C NMR of 2-benzylidene-6-methoxybenzofuran-3(2H)-one (**4g**)AUR-9 ^{13}C CDCl_3 

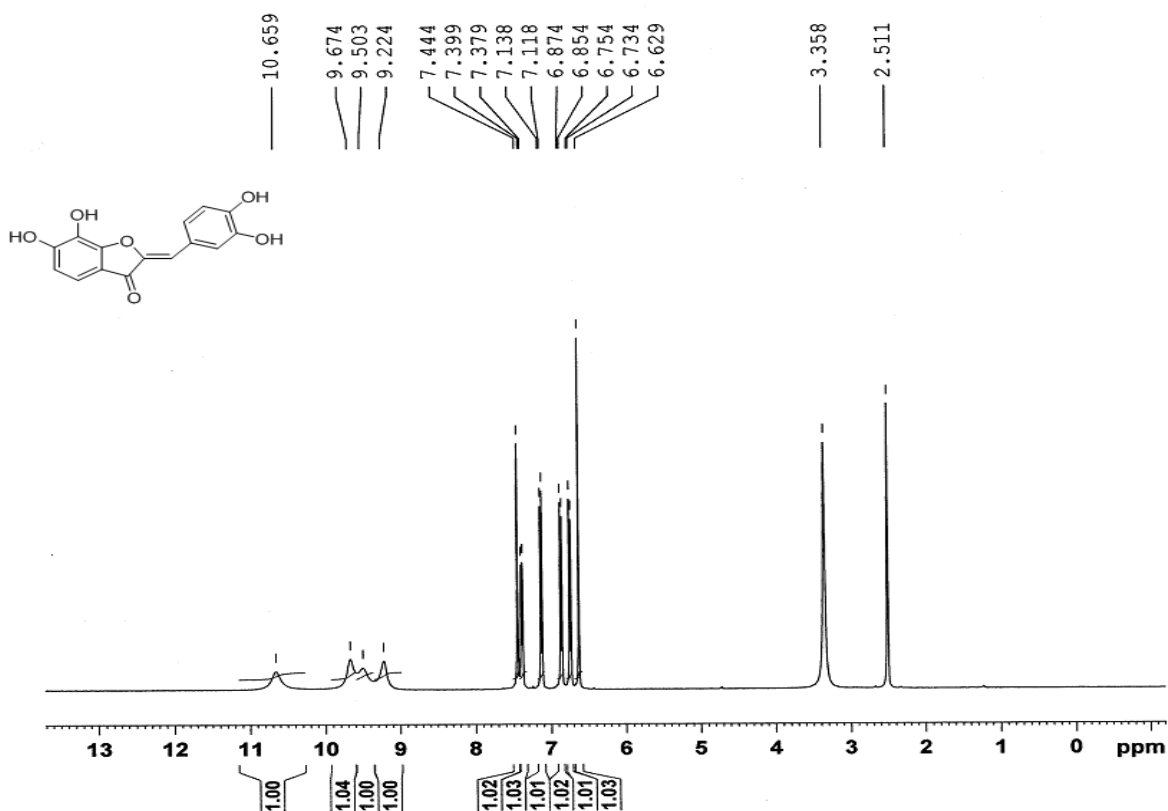
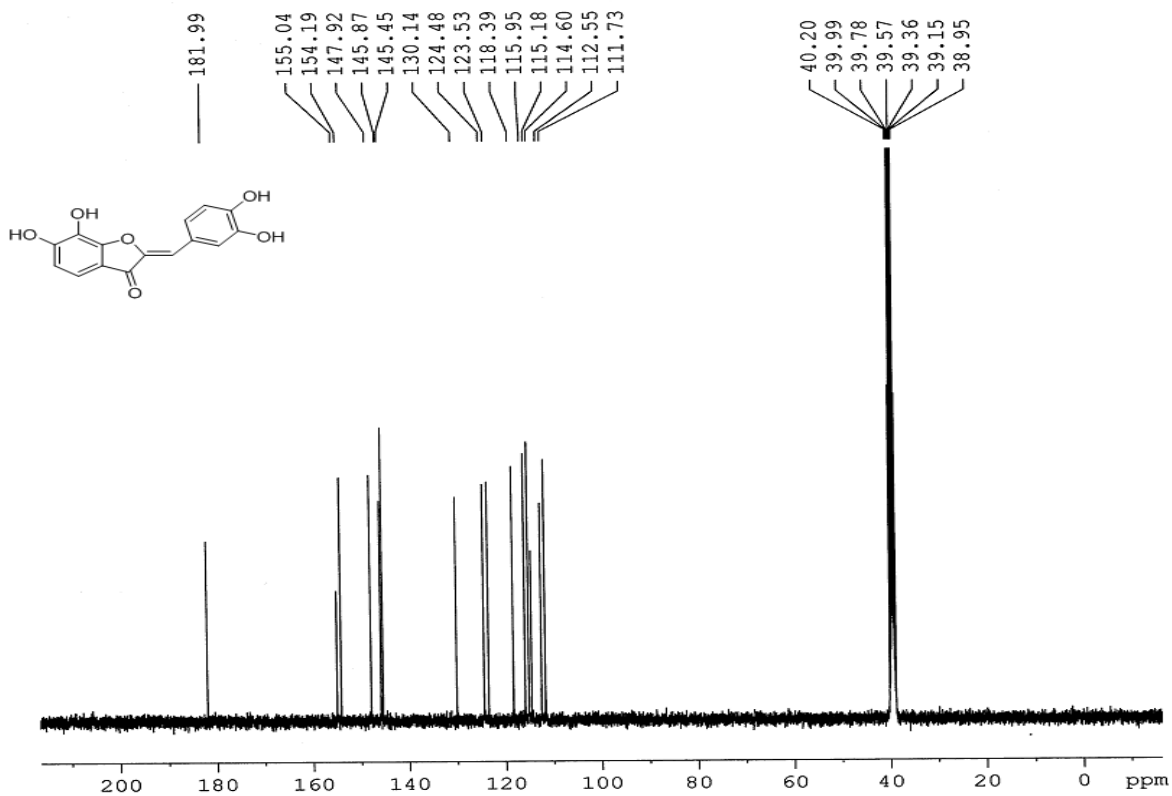
^1H NMR of (Z)-2-(4-chlorobenzylidene)-6-methoxybenzofuran-3(2H)-one (4h) ^{13}C NMR of (Z)-2-(4-chlorobenzylidene)-6-methoxybenzofuran-3(2H)-one (4h)

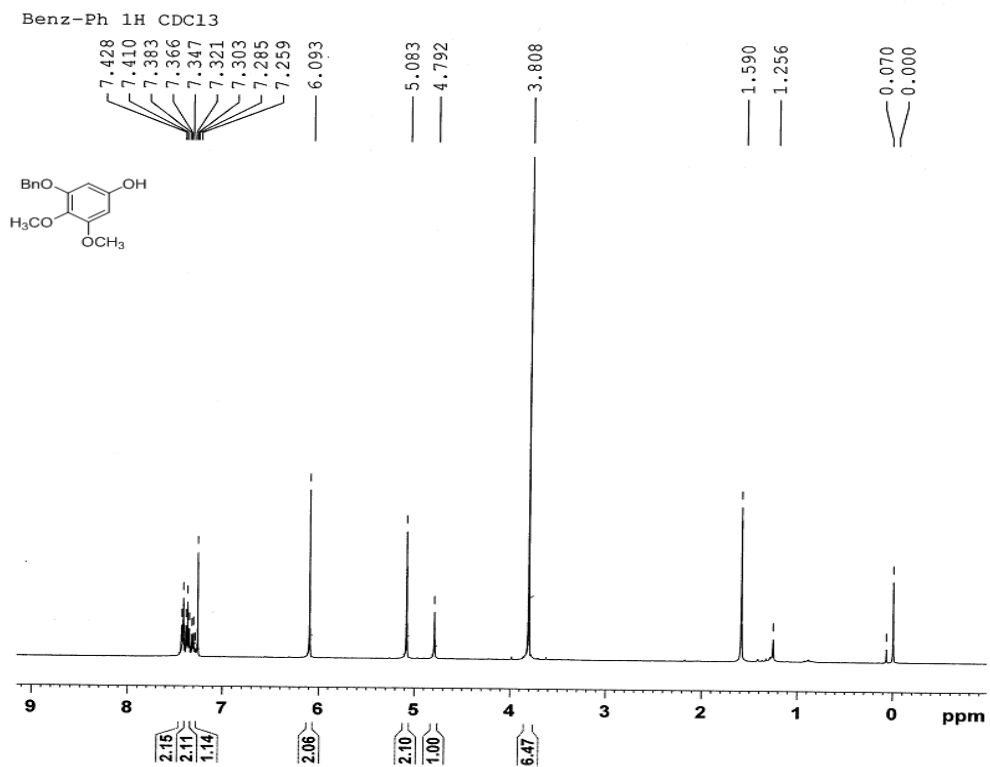
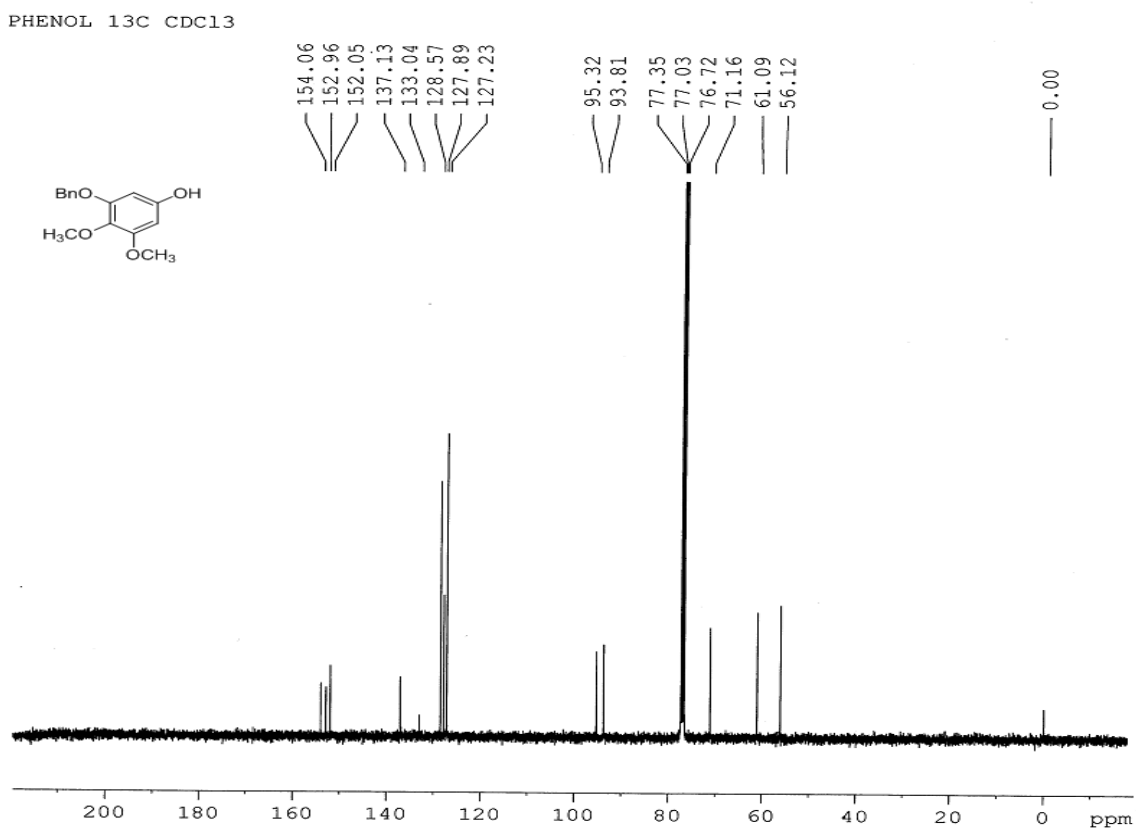
^1H NMR of (Z)-6-methoxy-2-(4-methoxybenzylidene)benzofuran-3(2H)-one (4i) ^{13}C NMR of (Z)-6-methoxy-2-(4-methoxybenzylidene)benzofuran-3(2H)-one (4i)

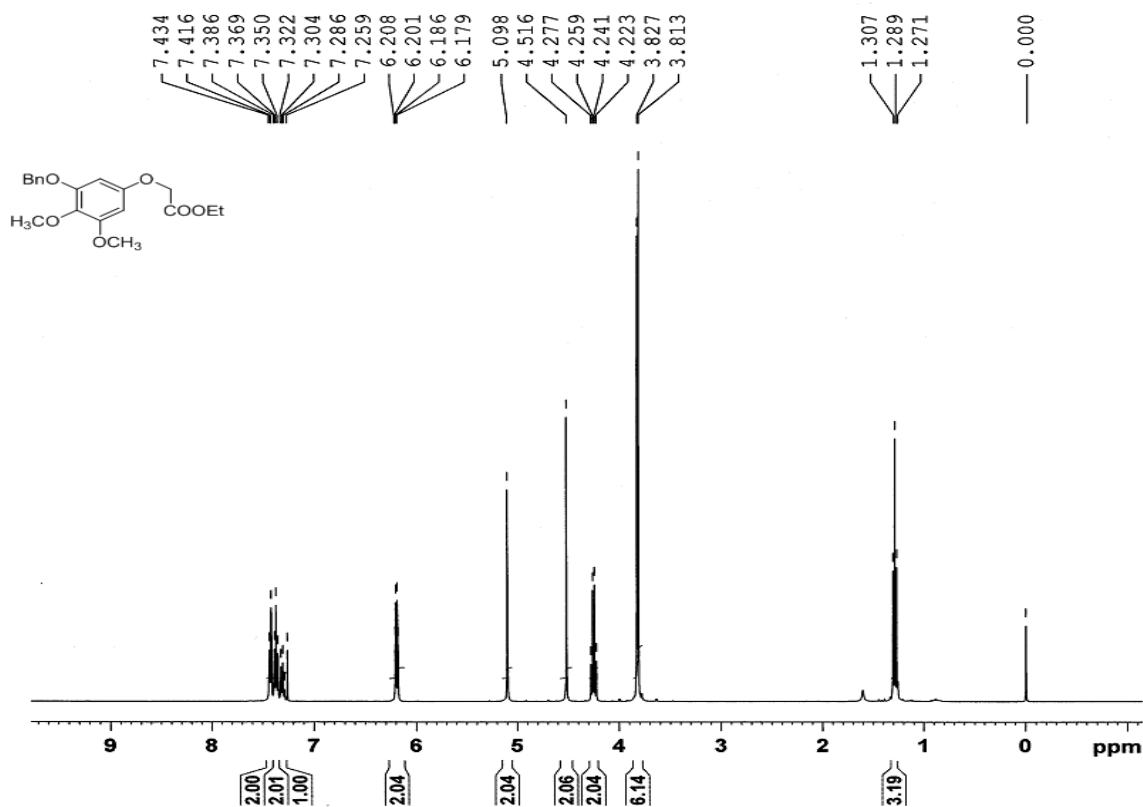
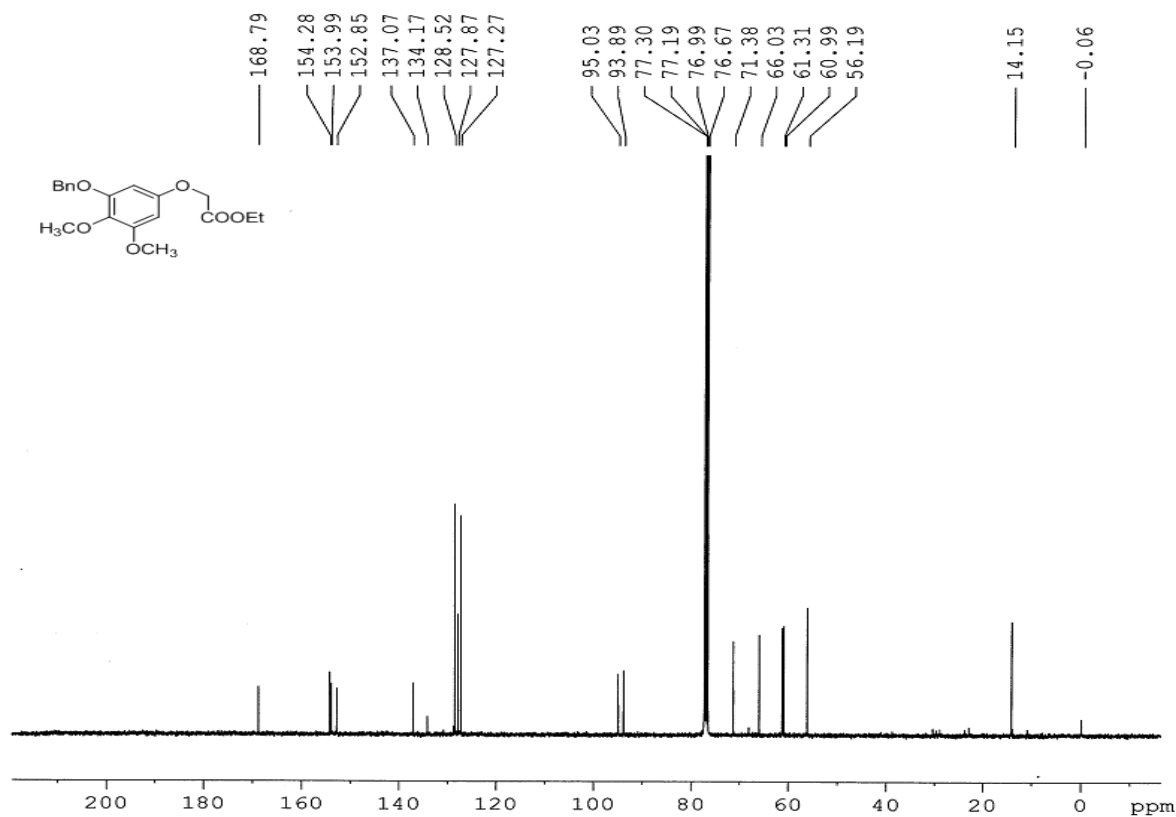
^1H NMR of (Z)-2-(4-hydroxybenzylidene)-6-methoxybenzofuran-3(2H)-one (4j)AUR-16 ^1H DMSO ^{13}C NMR of (Z)-2-(4-hydroxybenzylidene)-6-methoxybenzofuran-3(2H)-one (4j)AUR-16 ^{13}C DMSO

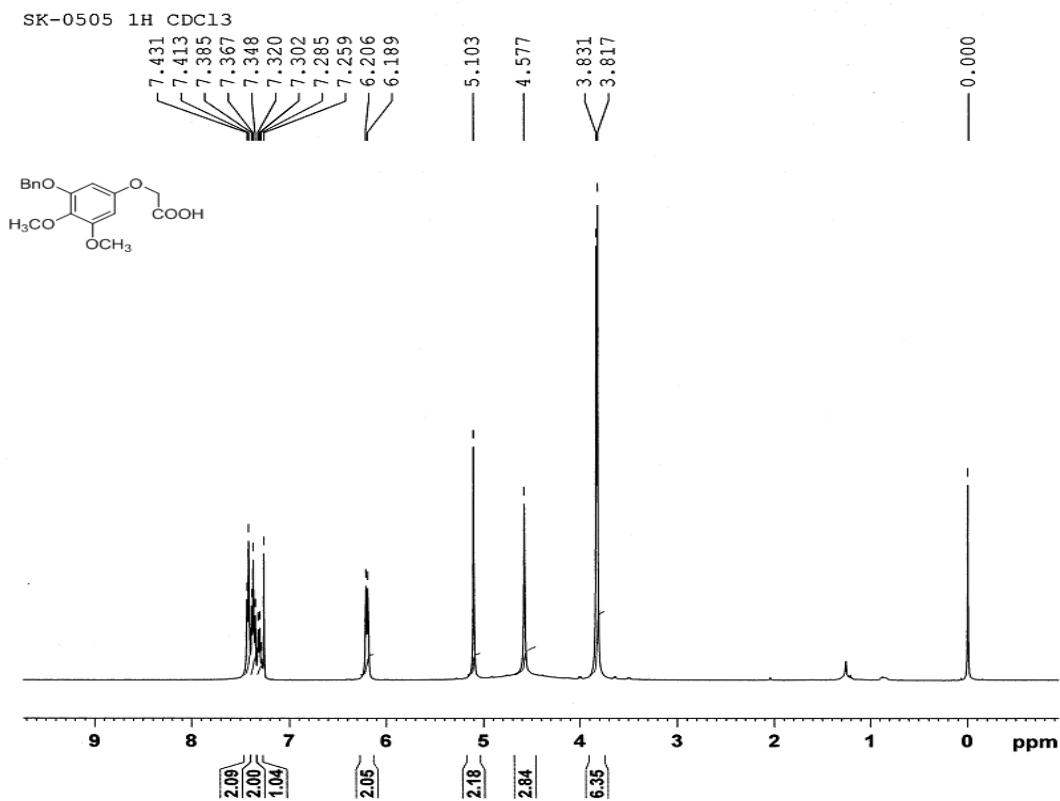
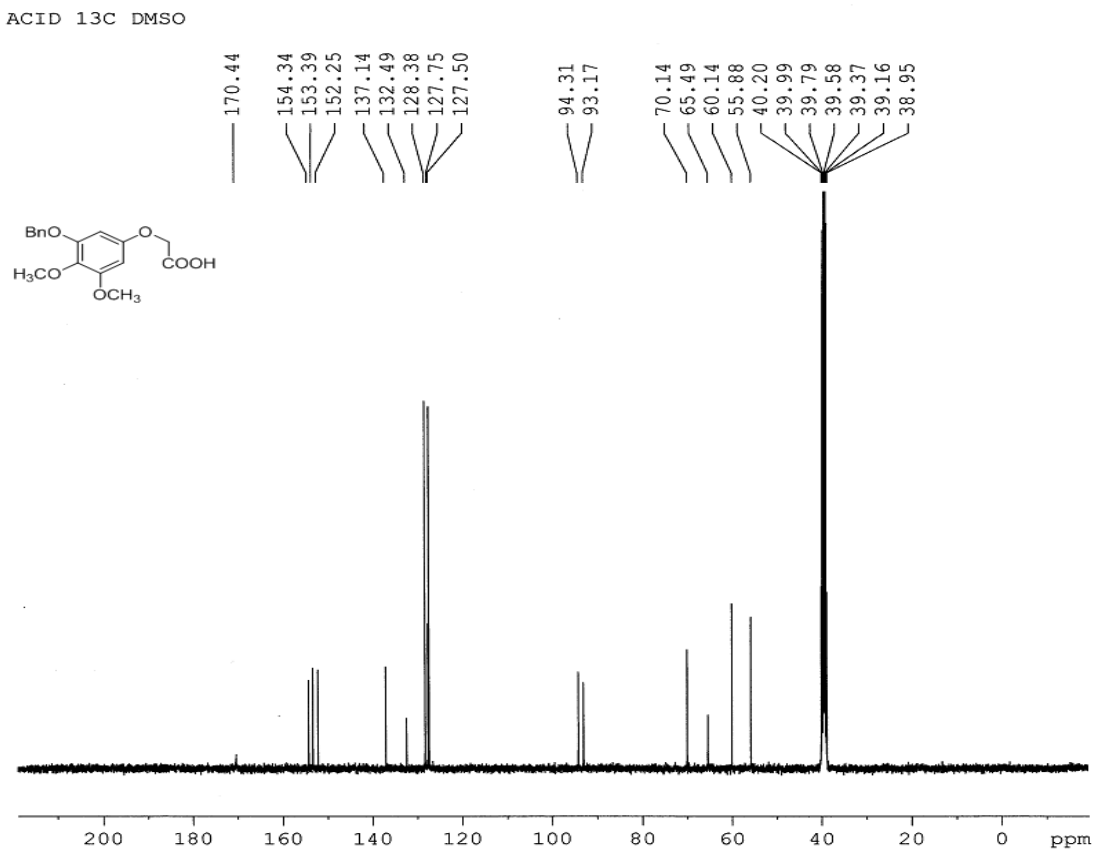
^1H NMR of (Z)-6-methoxy-2-(4-nitrobenzylidene)benzofuran-3(2H)-one (4k) ^{13}C NMR of (Z)-6-methoxy-2-(4-nitrobenzylidene)benzofuran-3(2H)-one (4k)

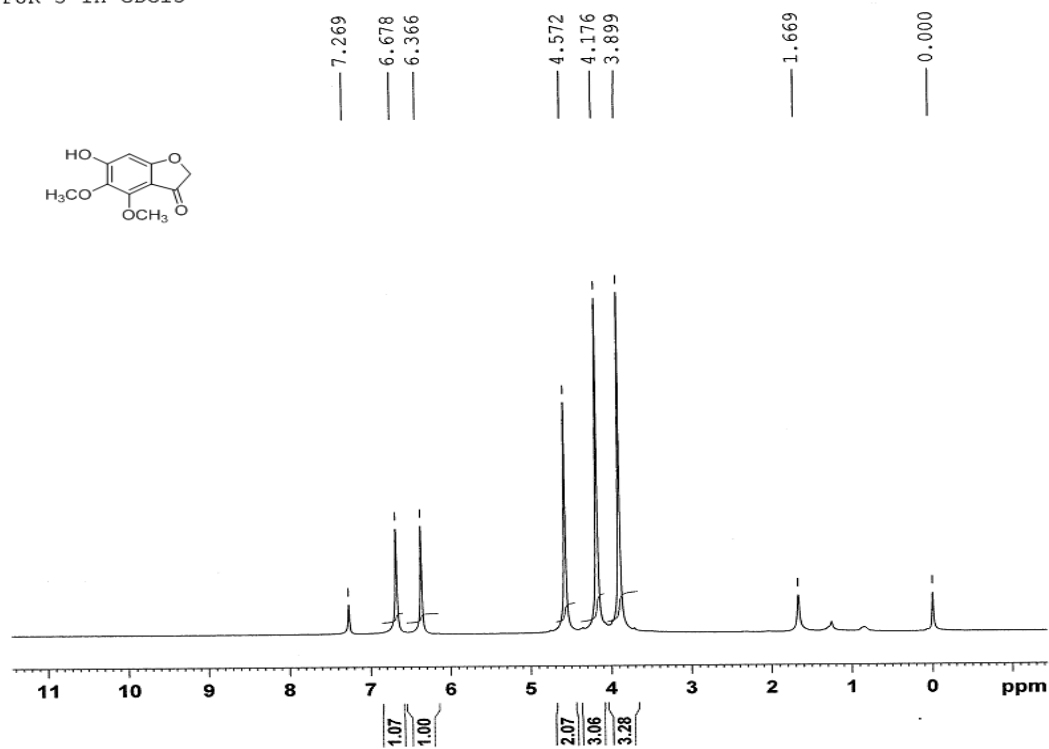
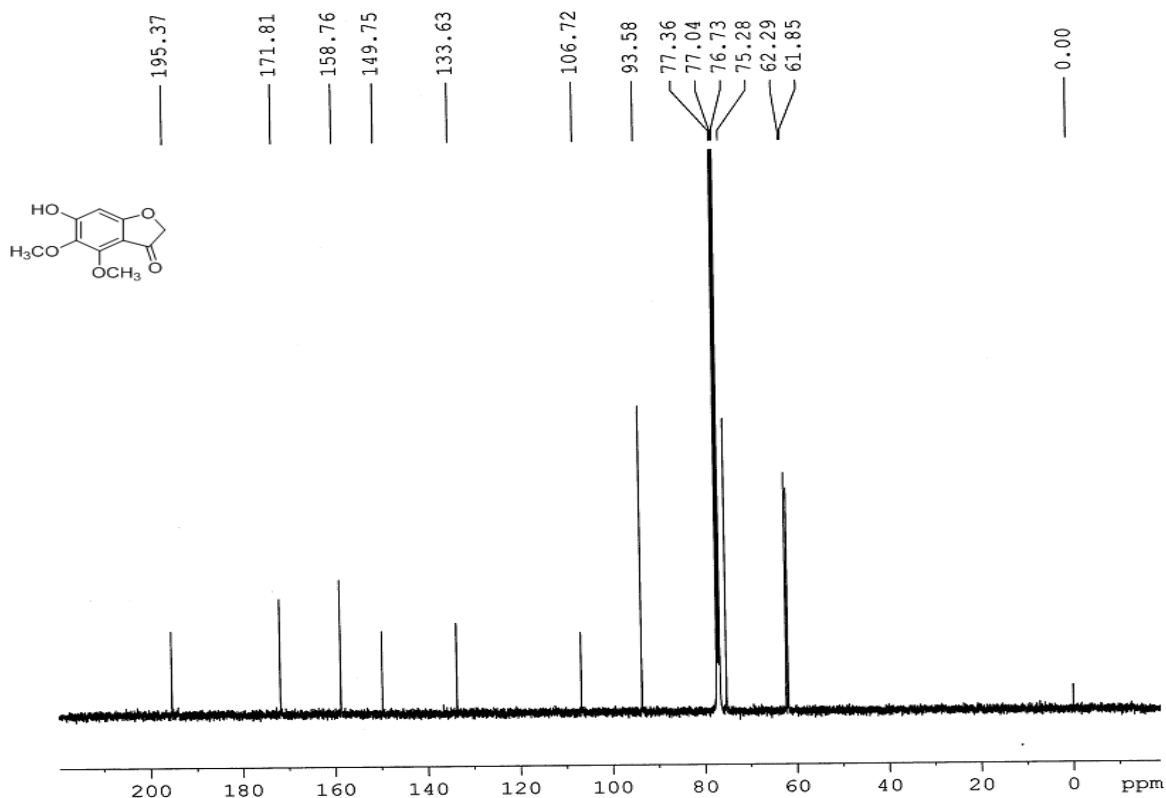
^1H NMR of 2-(3,4-dihydroxybenzylidene)-6-hydroxybenzofuran-3(2H)-one (5) ^{13}C NMR of 2-(3,4-dihydroxybenzylidene)-6-hydroxybenzofuran-3(2H)-one (5)

^1H NMR of 2-(3,4-dihydroxybenzylidene)-6,7-dihydroxybenzofuran-3(2H)-one (6)Aur-10 ^1H DMSO ^{13}C NMR of 2-(3,4-dihydroxybenzylidene)-6,7-dihydroxybenzofuran-3(2H)-one (6)Aur-10 ^{13}C DMSO

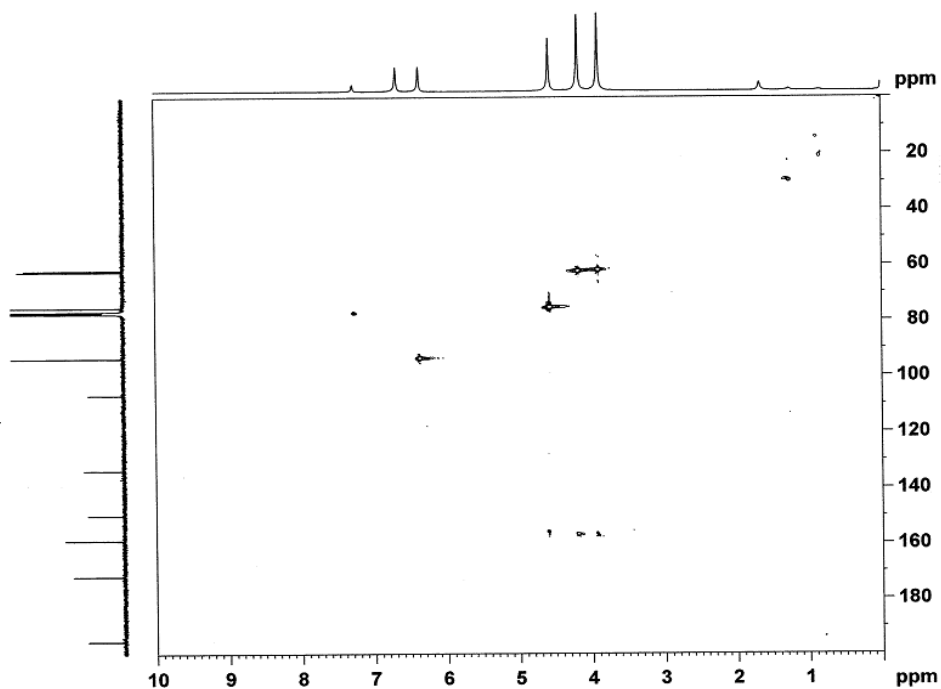
¹H NMR of 3-benzyloxy-4,5-dimethoxyphenol (**8**)¹³C NMR of 3-benzyloxy-4,5-dimethoxyphenol (**8**)

¹H NMR of ethyl 2-(3-(benzyloxy)-4,5-dimethoxyphenoxy)acetate (9)SK-0405 1H CDCl₃¹³C NMR of ethyl 2-(3-(benzyloxy)-4,5-dimethoxyphenoxy)acetate (9)ESTER 13C CDCl₃

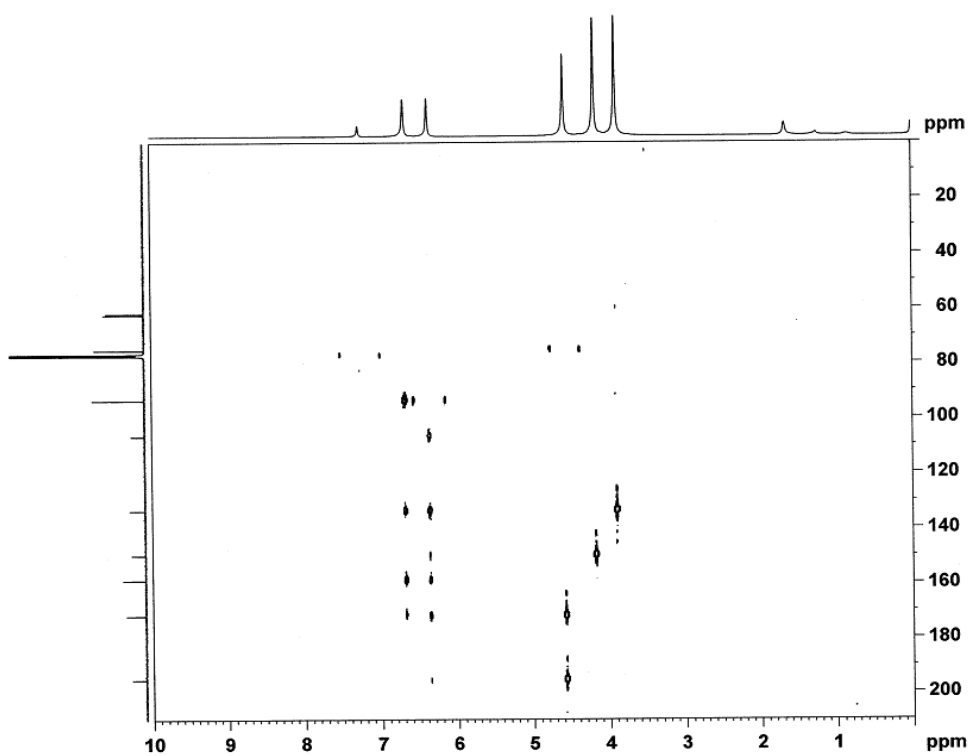
¹H NMR of 2-(3-(benzyloxy)-4,5-dimethoxyphenoxy)acetic acid (**10**)¹³C NMR of 2-(3-(benzyloxy)-4,5-dimethoxyphenoxy)acetic acid (**10**)

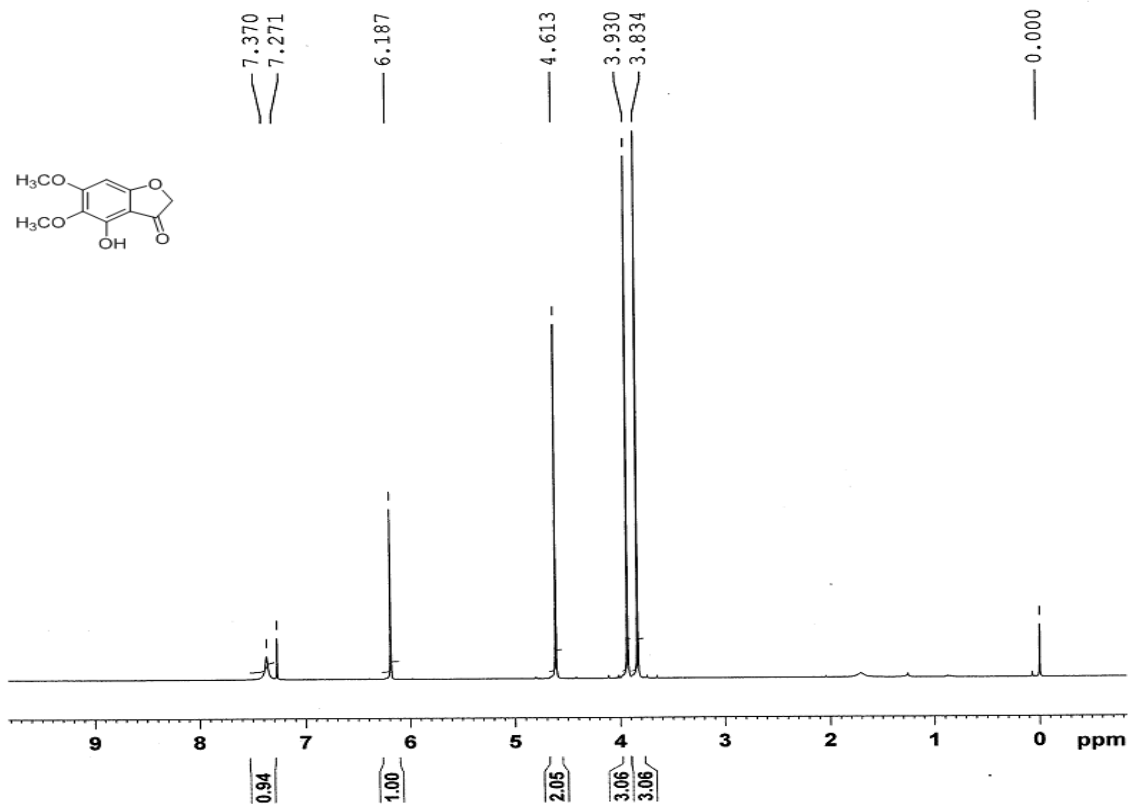
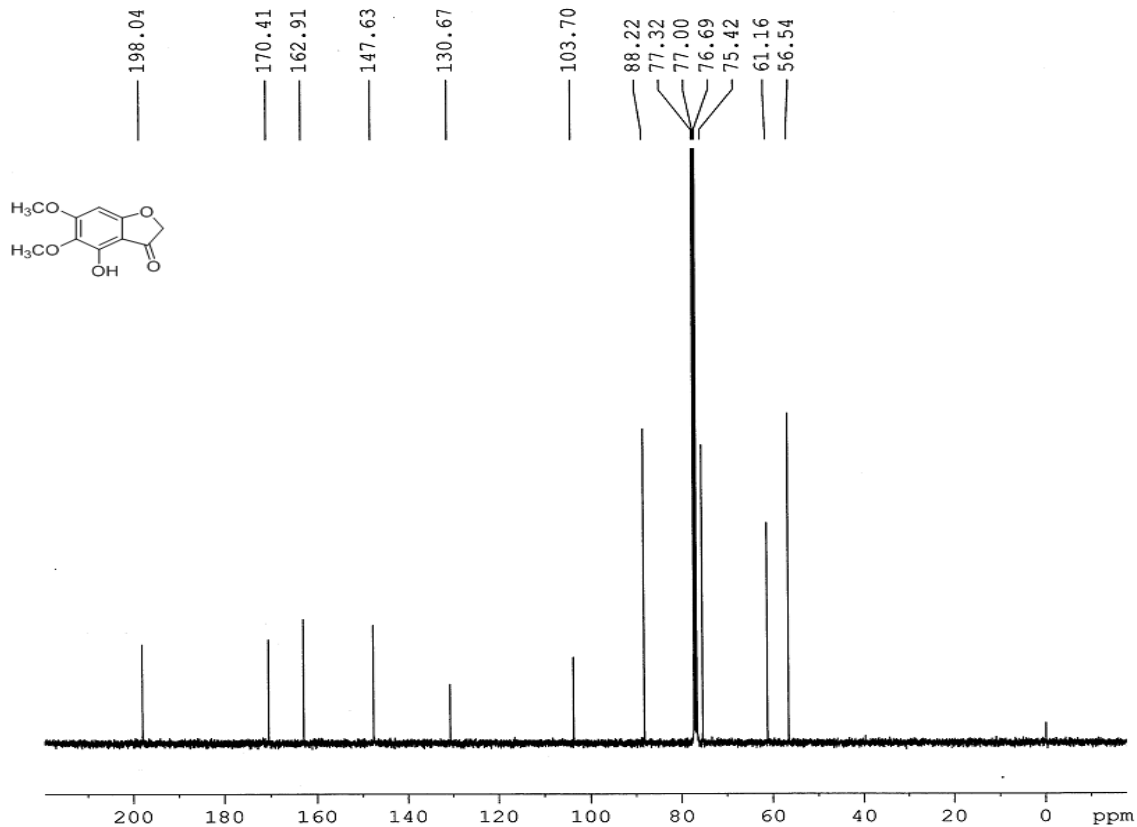
^1H NMR of 6-hydroxy-4,5-dimethoxybenzofuran-3(2H)-one (**11**)FUR-5 ^1H CDCl₃ ^{13}C NMR of 6-hydroxy-4,5-dimethoxybenzofuran-3(2H)-one (**11**)FUR-5 ^{13}C CDCl₃

HSQC of 6-hydroxy-4,5-dimethoxybenzofuran-3(2H)-one (11)

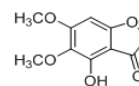
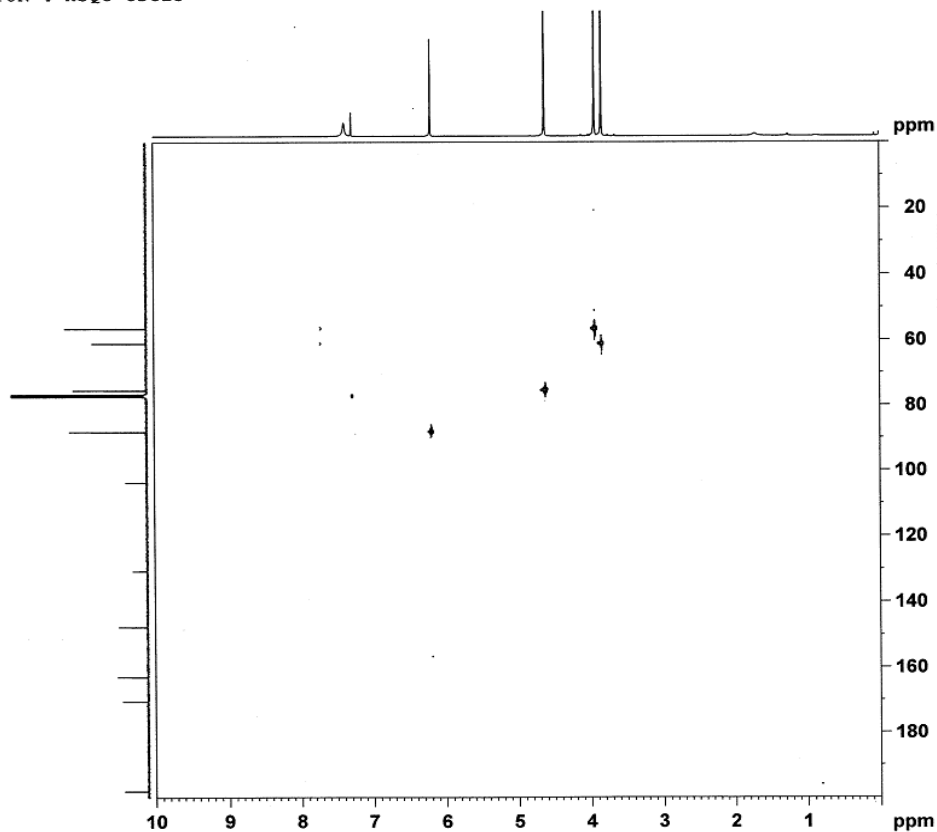
FUR-5 HSQC CDCl₃

HMBC of 6-hydroxy-4,5-dimethoxybenzofuran-3(2H)-one (11)

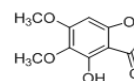
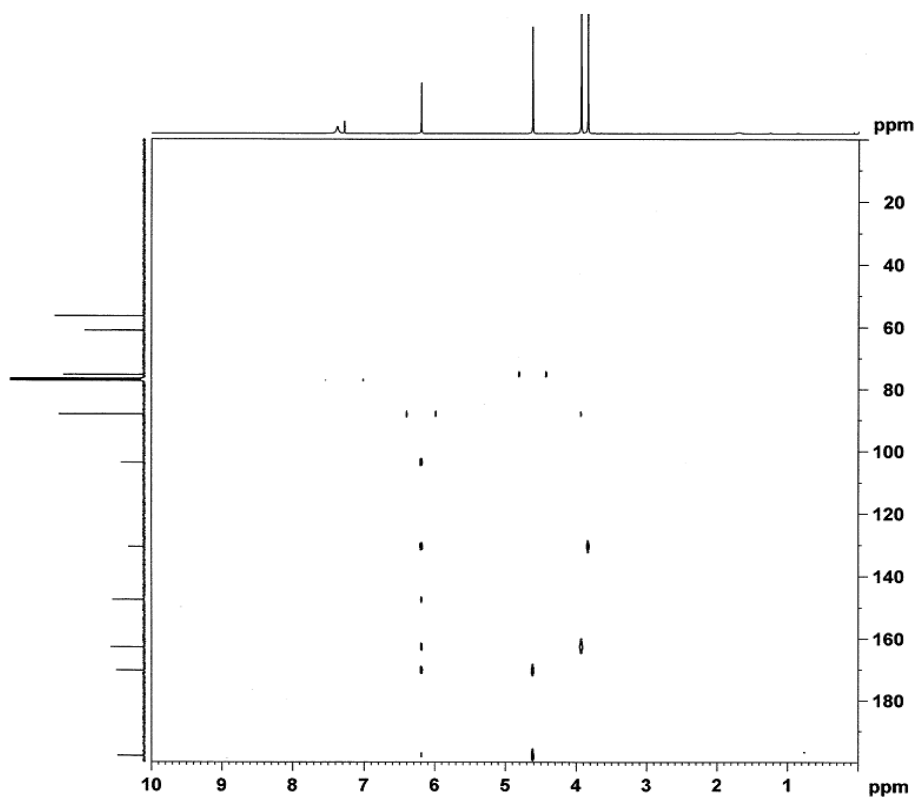
FUR-5 HMBC CDCl₃

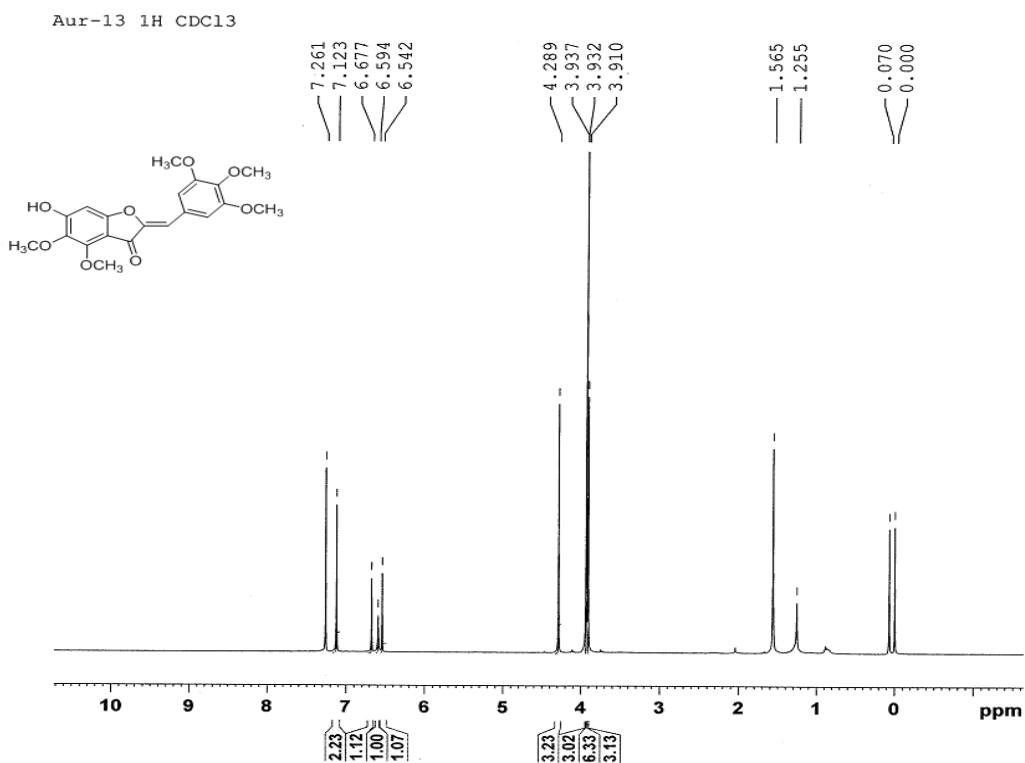
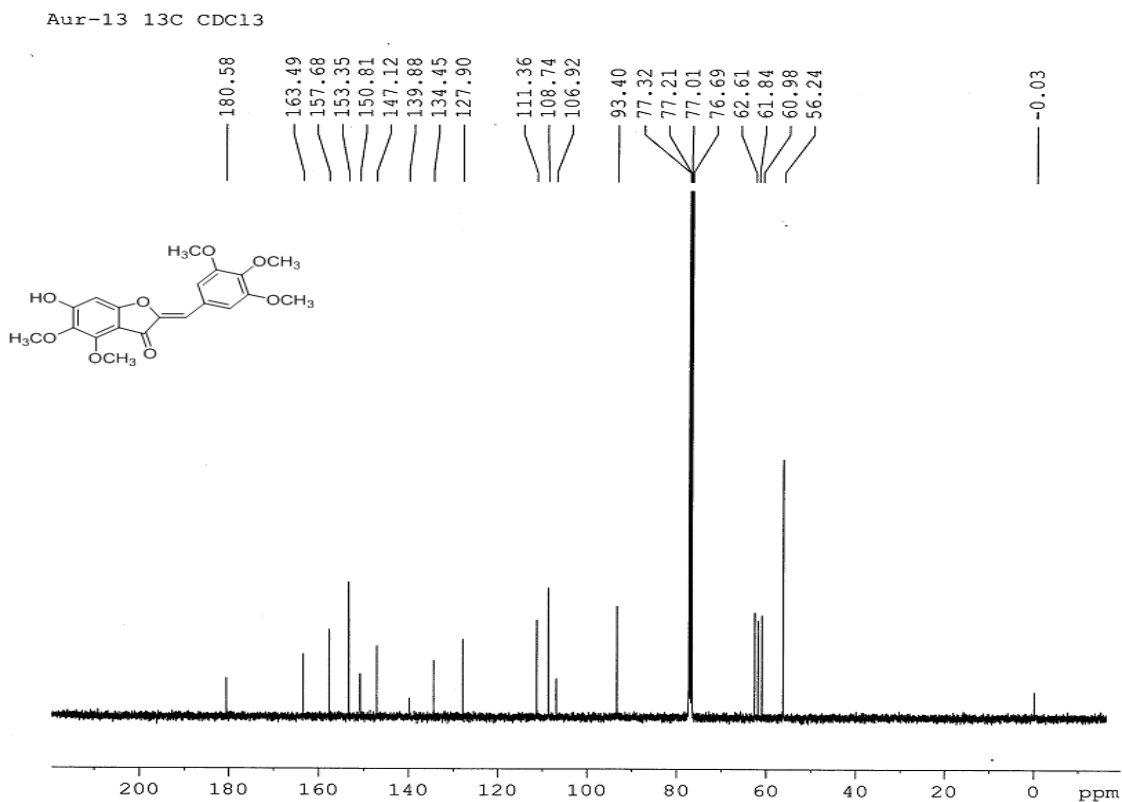
^1H NMR of 4-hydroxy-5,6-dimethoxybenzofuran-3(2H)-one (**12**)FUR-4 ^1H CDCl₃ ^{13}C NMR of 4-hydroxy-5,6-dimethoxybenzofuran-3(2H)-one (**12**)FUR-4 ^{13}C CDCl₃

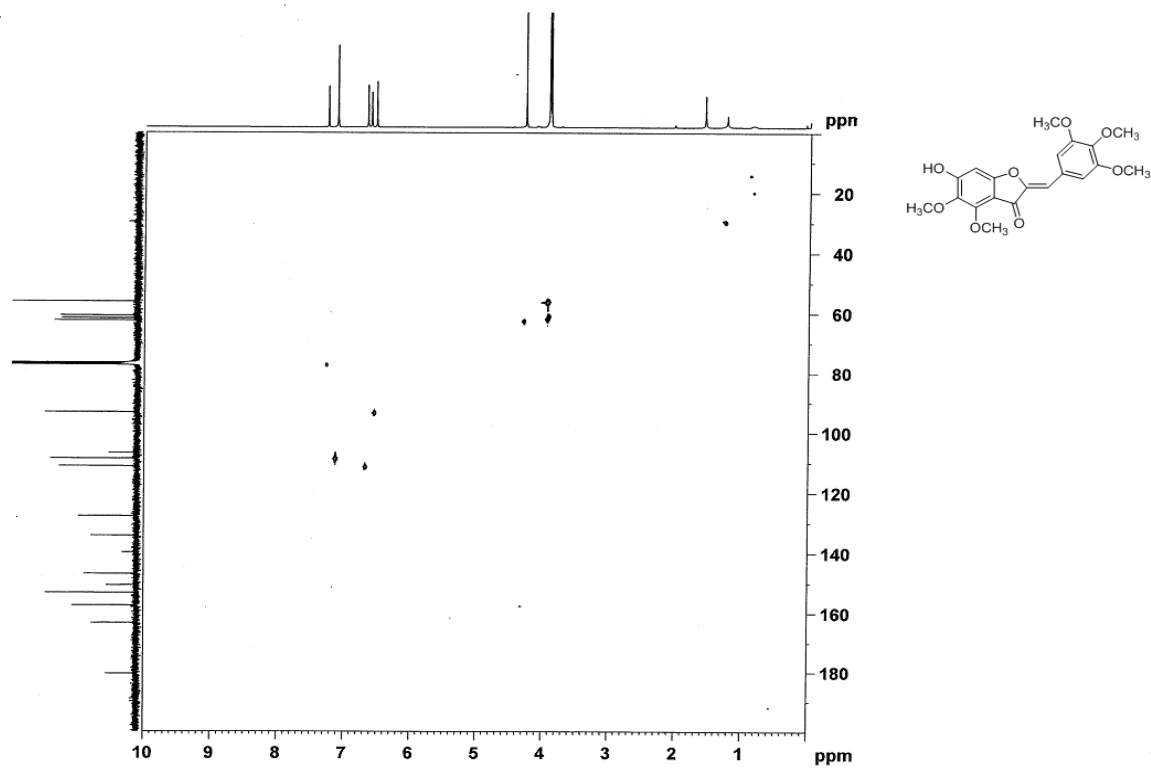
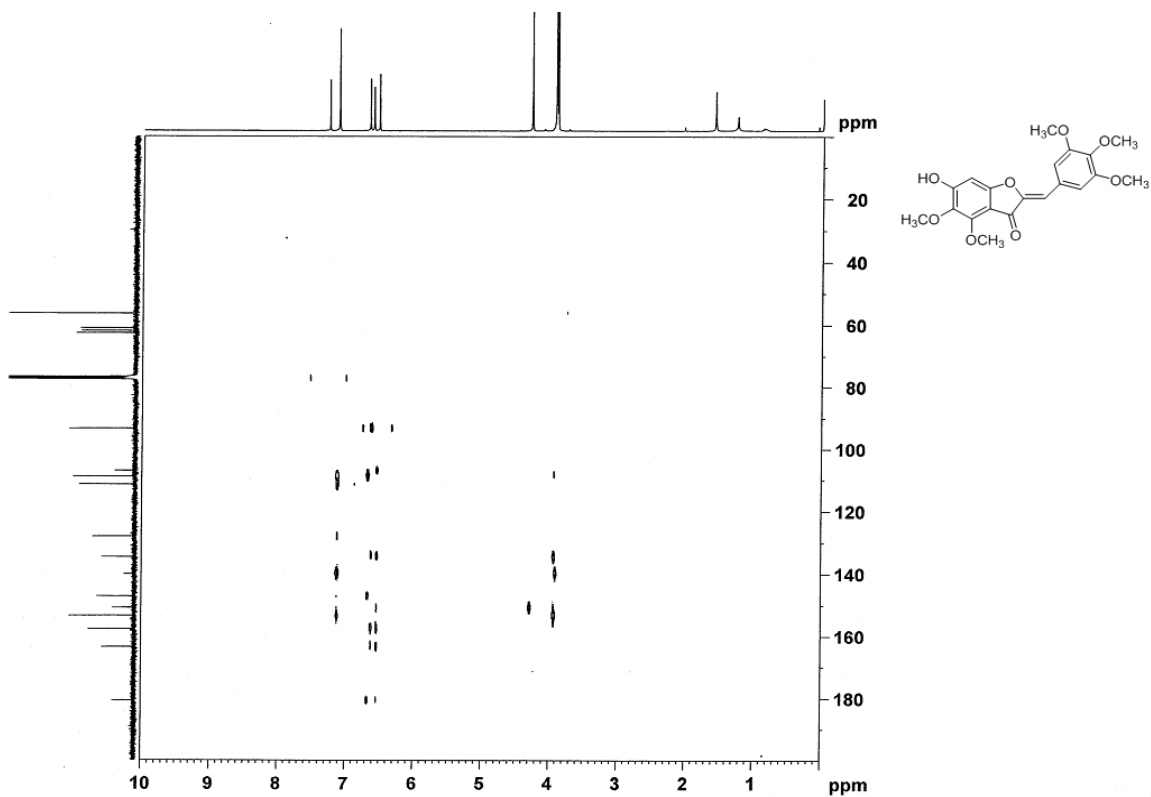
HSQC of 4-hydroxy-5,6-dimethoxybenzofuran-3(2H)-one (12)

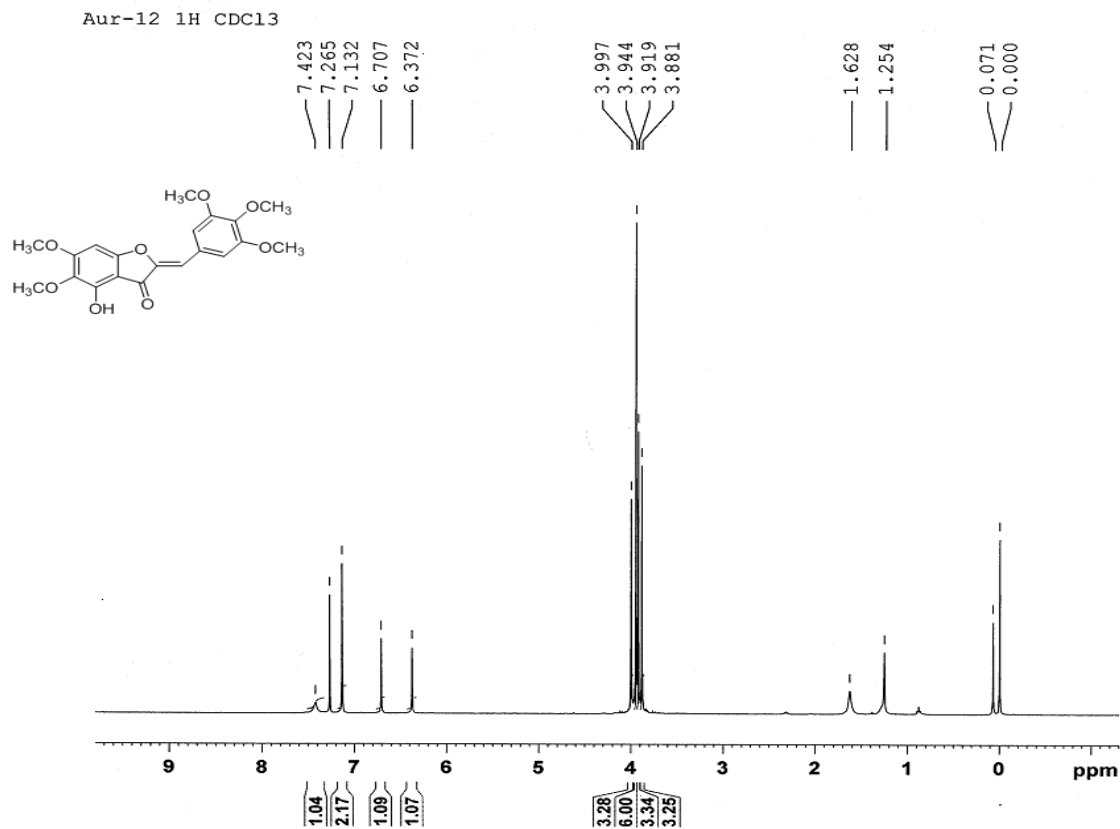
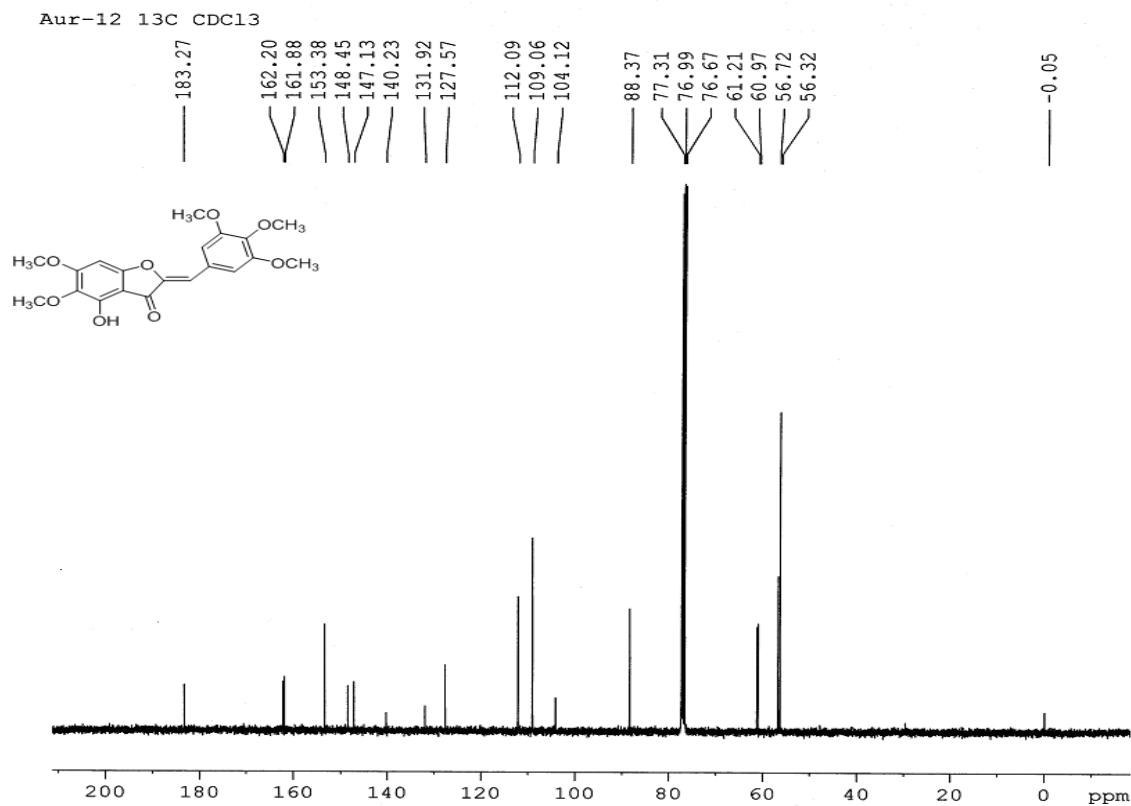
FUR-4 HSQC CDCl₃

HMBC of 4-hydroxy-5,6-dimethoxybenzofuran-3(2H)-one (12)

FUR-4 HMBC CDCl₃

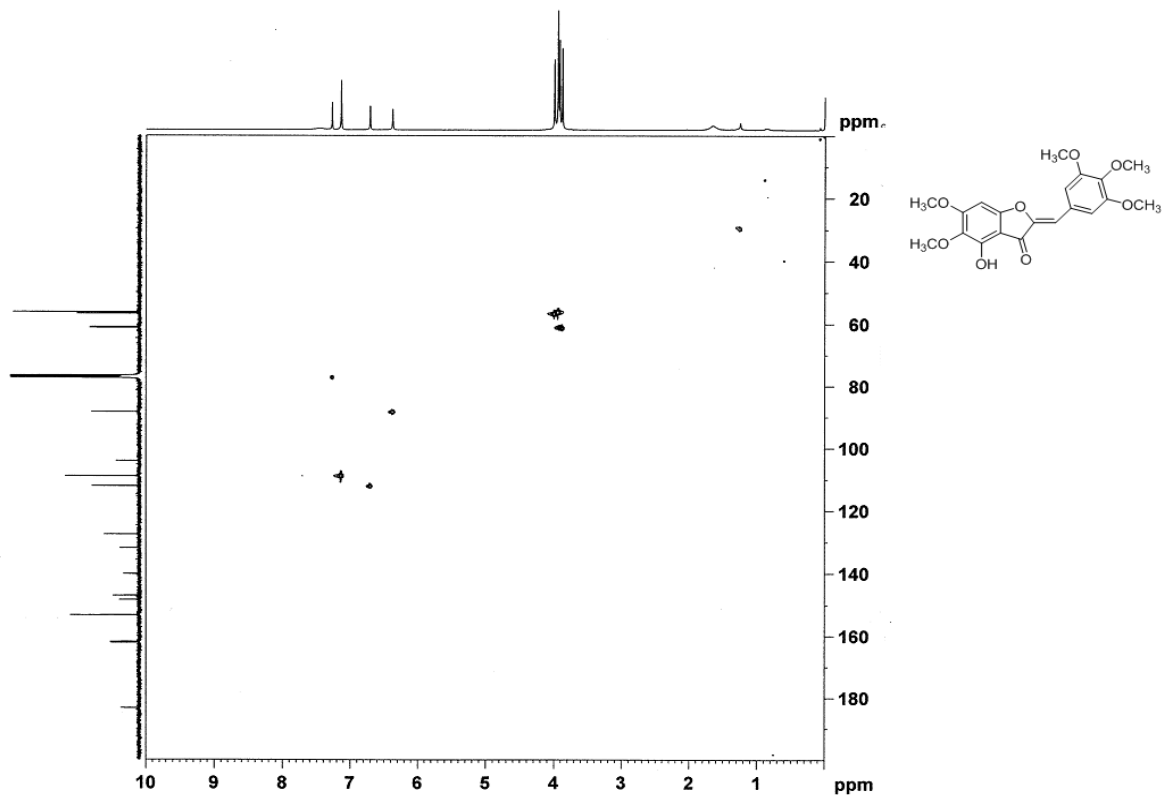
¹H NMR of 6-hydroxy-4,5-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (13)**¹³C NMR of 6-hydroxy-4,5-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (13)**

HSQC of 6-hydroxy-4,5-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (**13**)AUR-13 HSQC CDCl₃HMBC of 6-hydroxy-4,5-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (**13**)AUR-13 HMBC CDCl₃

¹H NMR of 4-hydroxy-5,6-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (14)¹³C NMR of 4-hydroxy-5,6-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (14)

HSQC of 4-hydroxy-5,6-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (**14**)

AUR-12 HSQC CDC13

HMBC of 4-hydroxy-5,6-dimethoxy-2-(3,4,5-trimethoxybenzylidene)benzofuran-3(2H)-one (**14**)

AUR-12 HMBC CDC13

