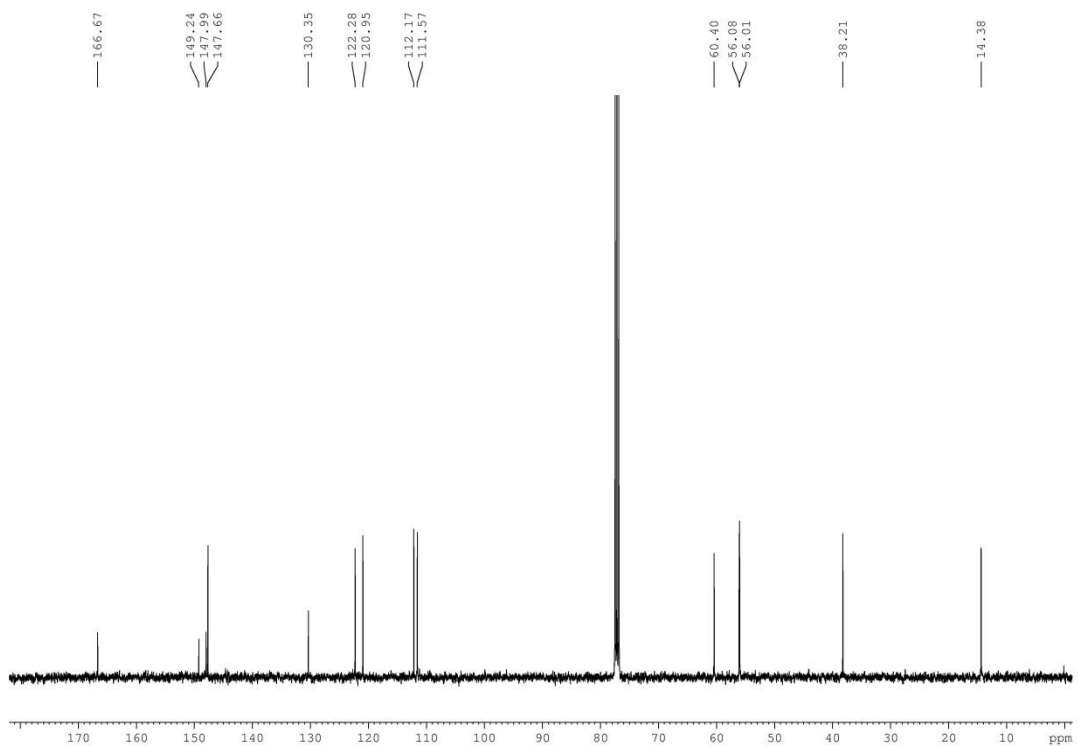
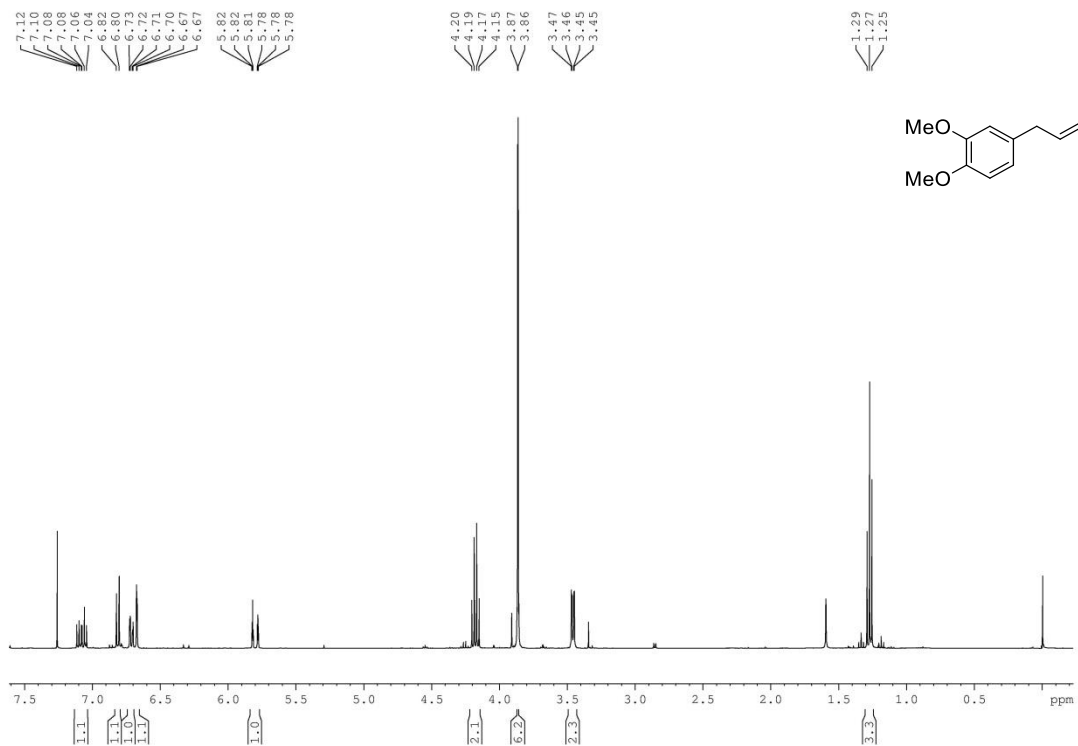


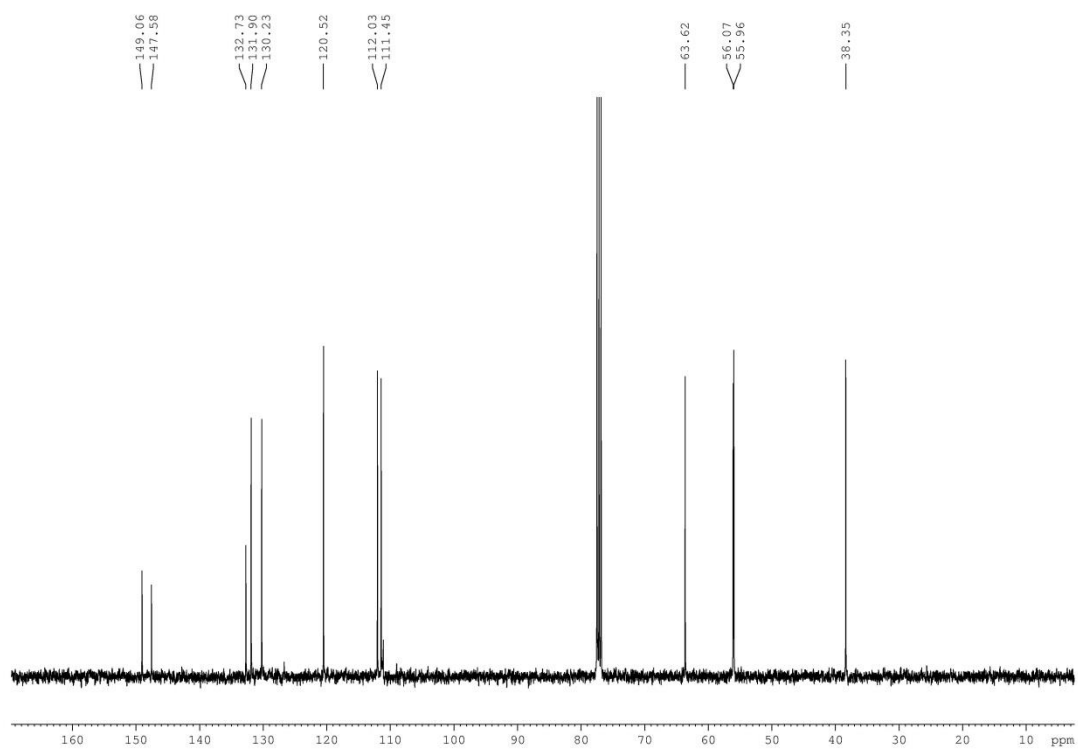
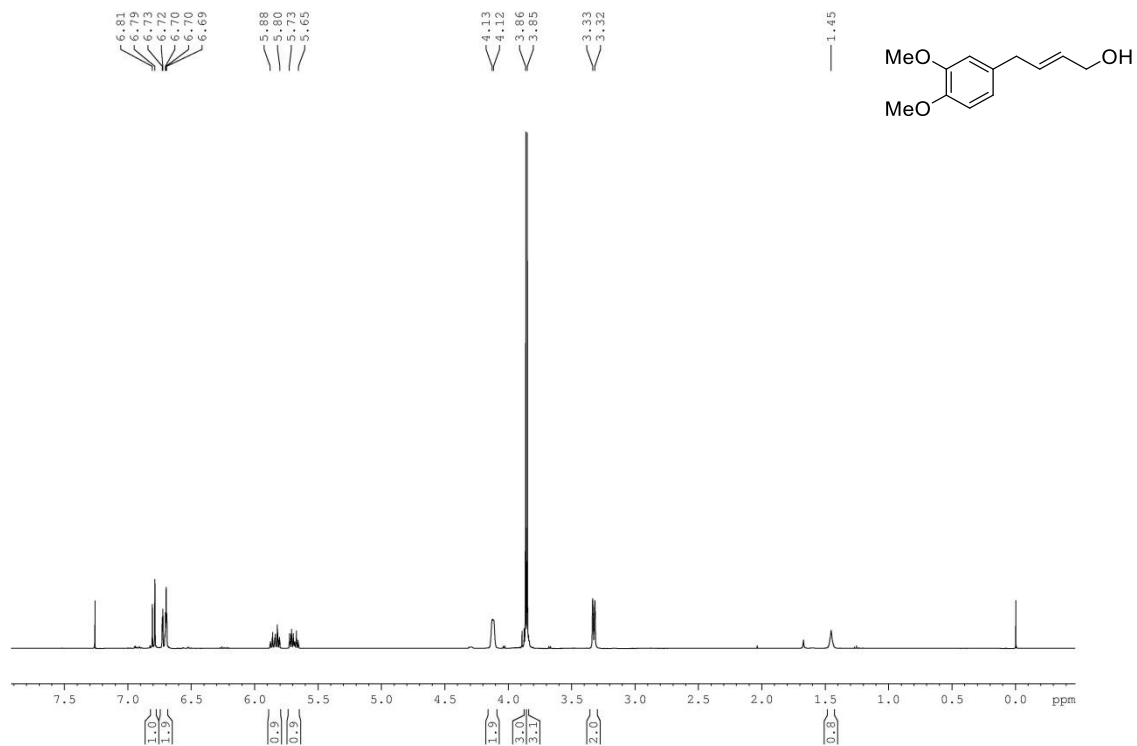
Supporting Information:

Modular Synthesis and Biological Investigation of 3,4-dibenzyl-5-(hydroxymethyl)dihydrofuran-2(3*H*)-ones and Related Lignans

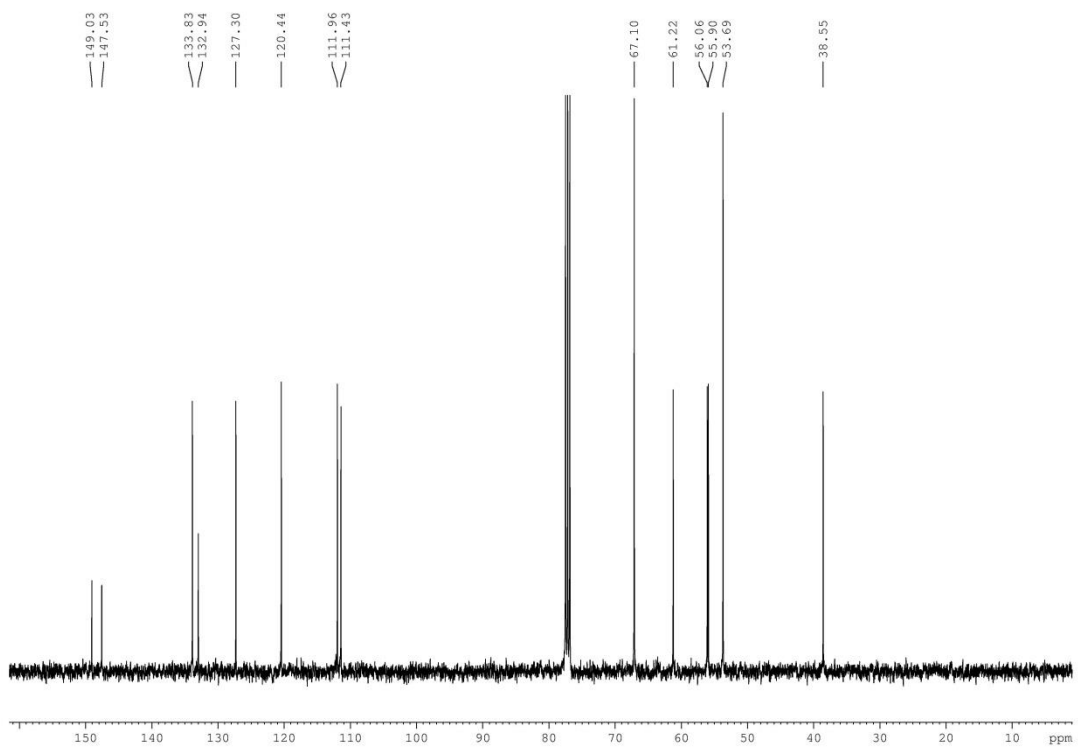
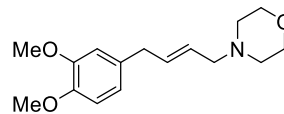
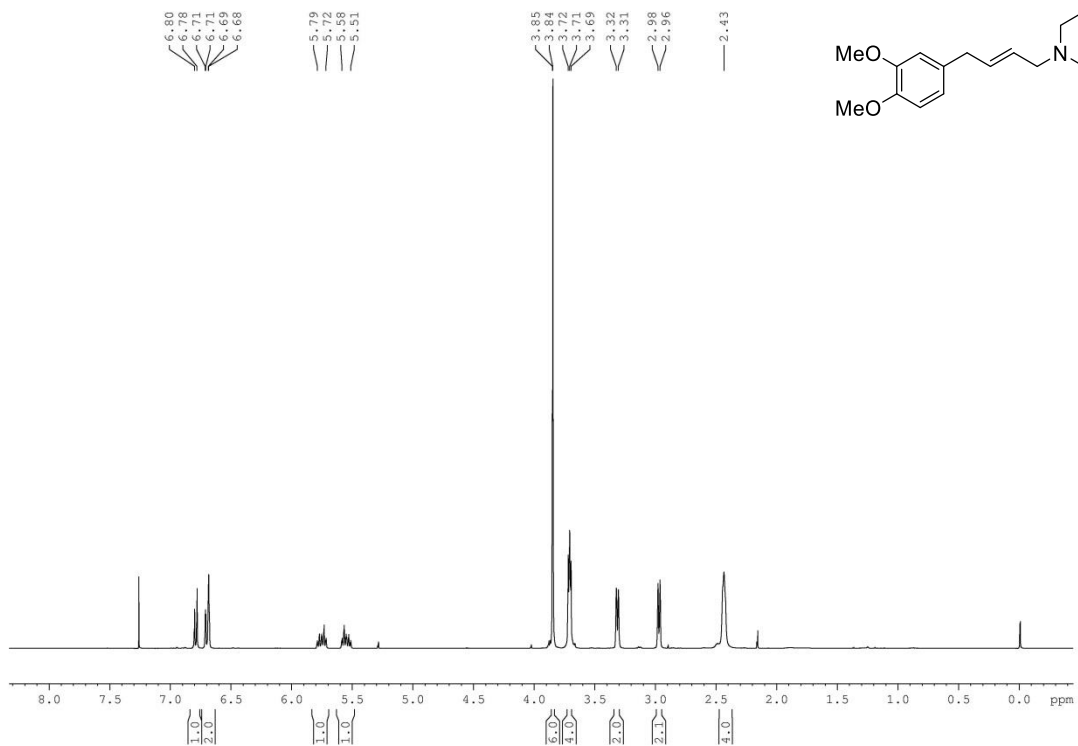
(E)-Ethyl 4-(3',4'-dimethoxyphenyl)but-2-enoate **16**



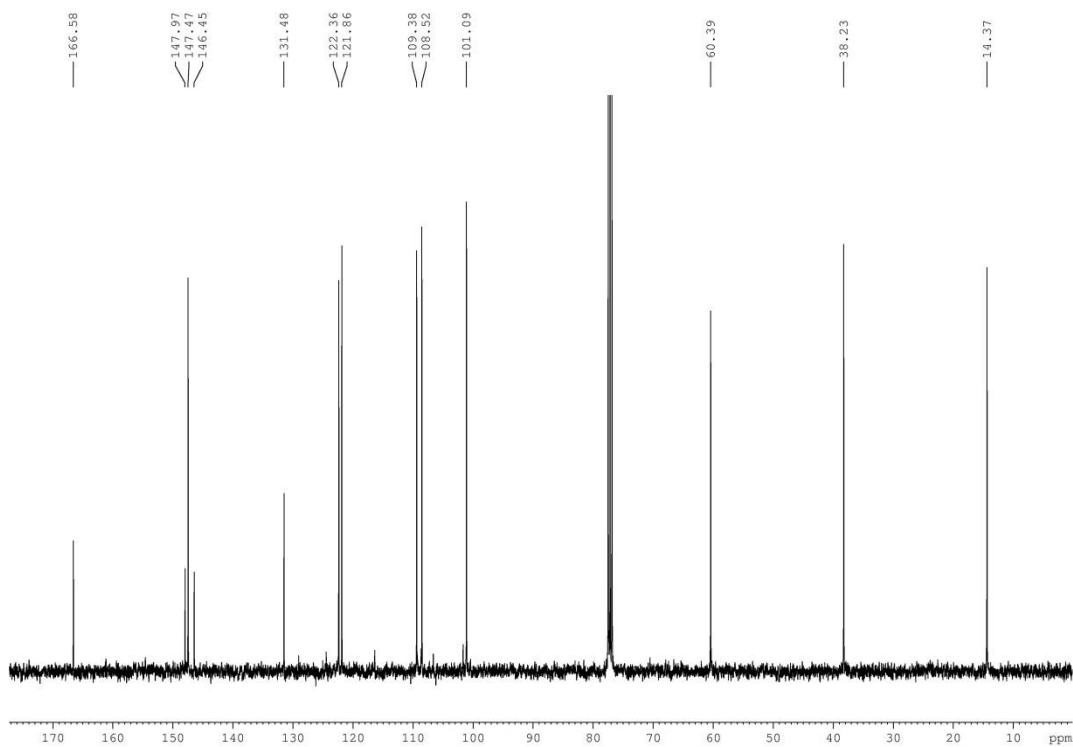
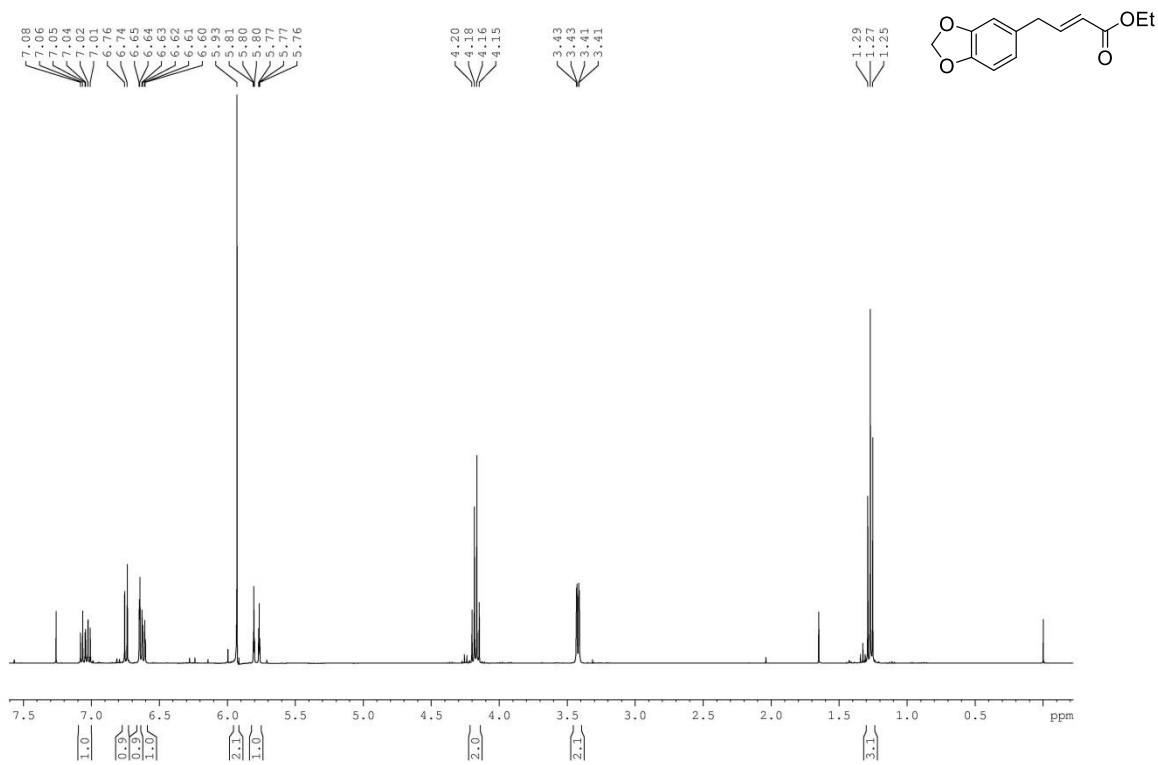
(E)-4-(3',4'-Dimethoxyphenyl)but-2-en-1-ol **18**



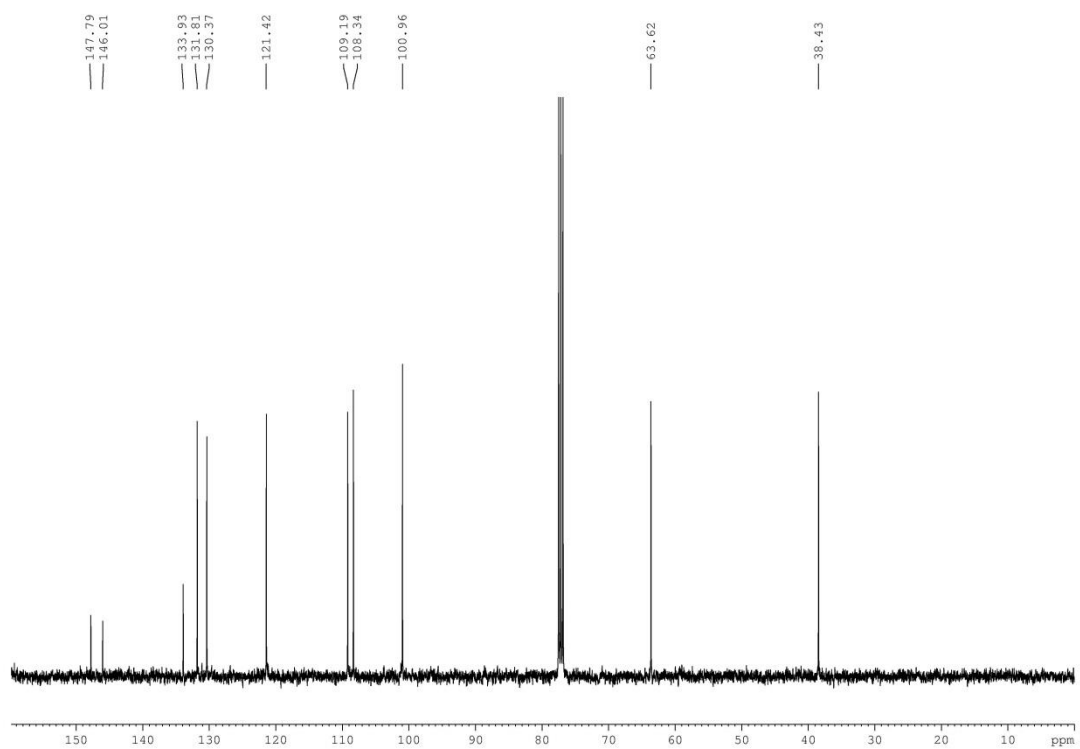
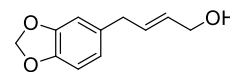
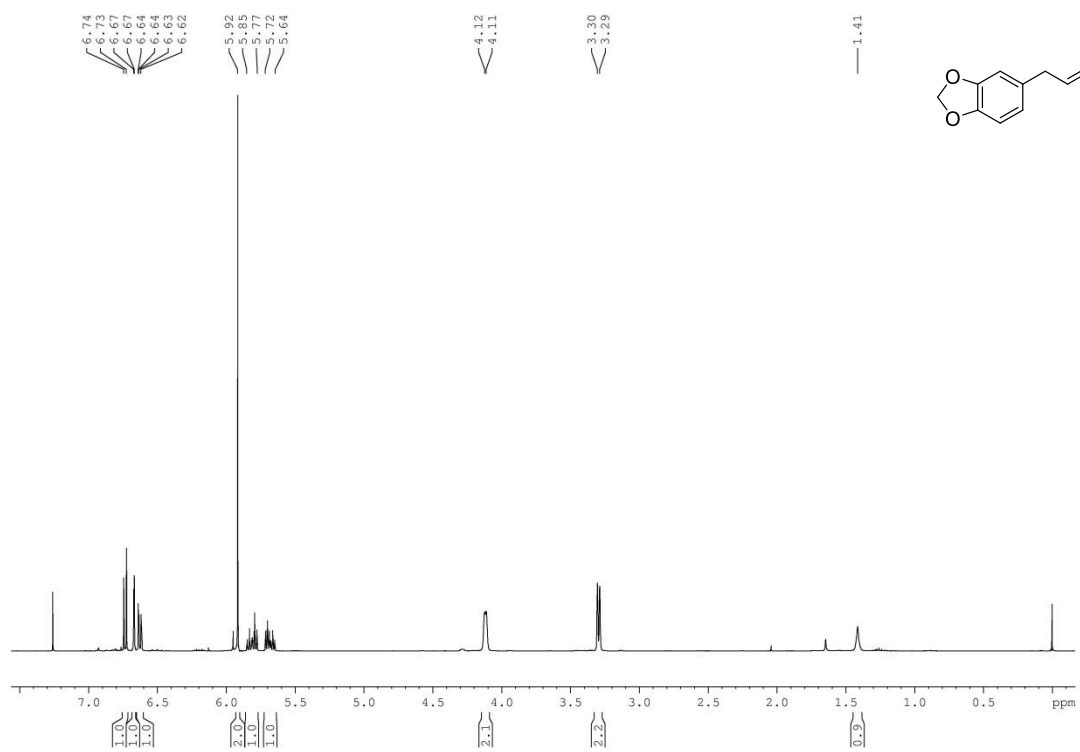
(E)-4-(4-(3',4'-Dimethoxyphenyl)but-2-en-1-yl)morpholine **9a**



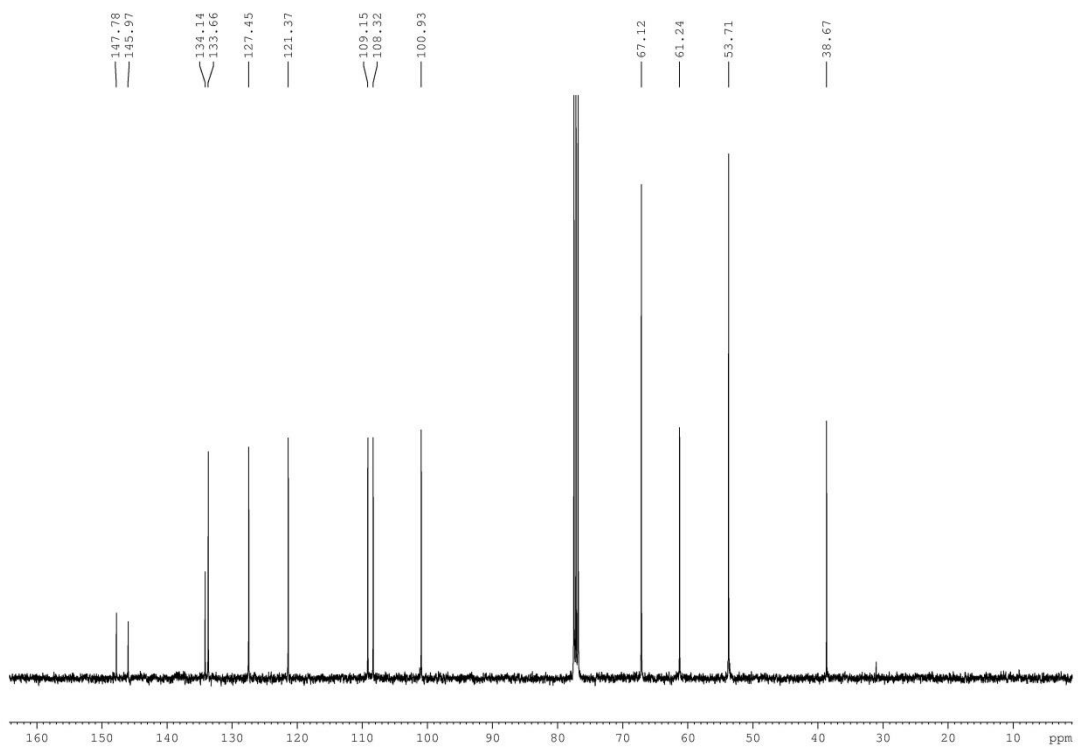
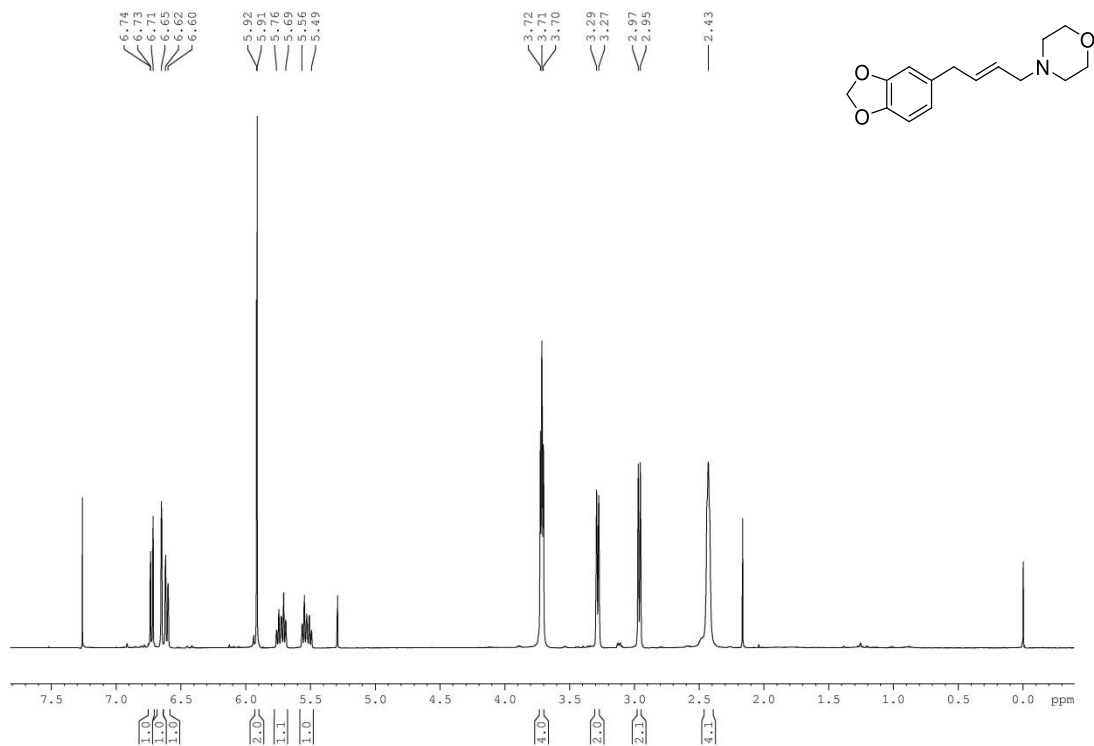
(E)-Ethyl 4-(3',4'-methylenedioxyphenyl)but-2-enoate **17**



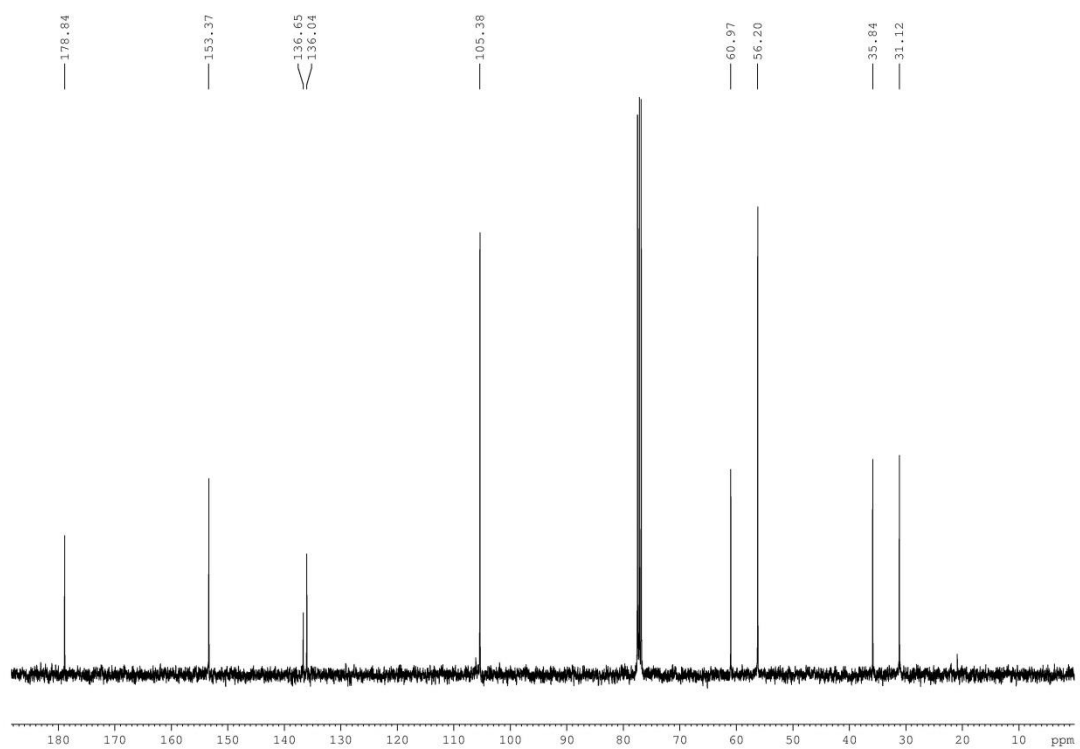
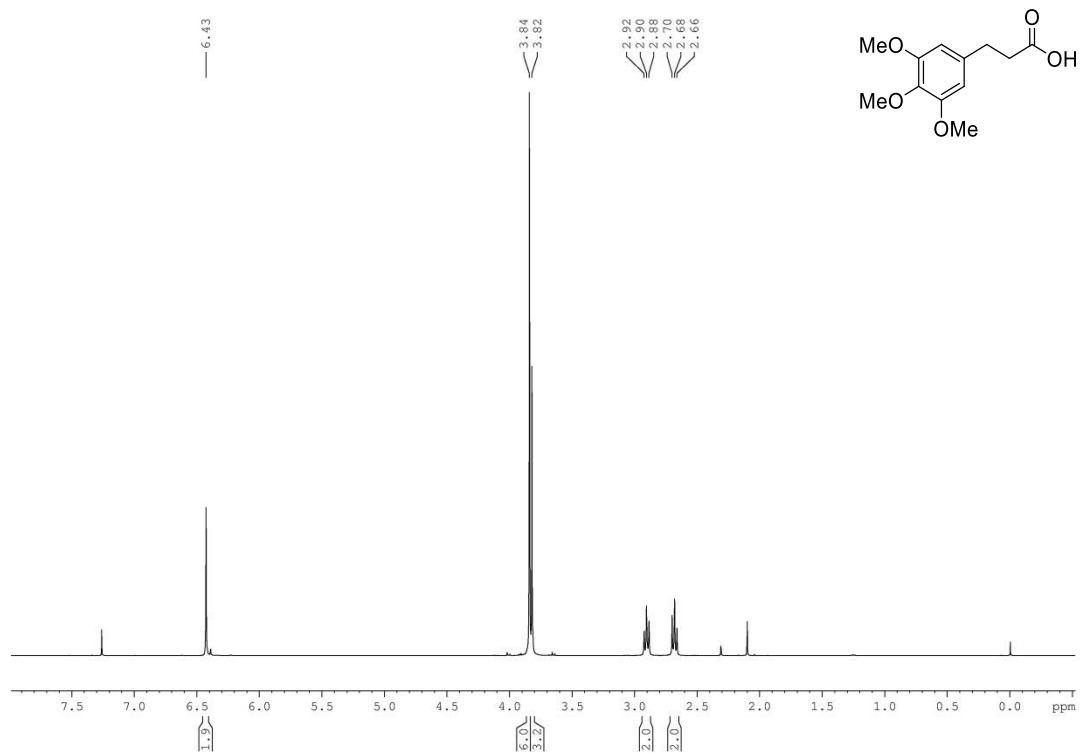
(E)-4-(3',4'-Methylenedioxyphenyl)but-2-en-1-ol **19**



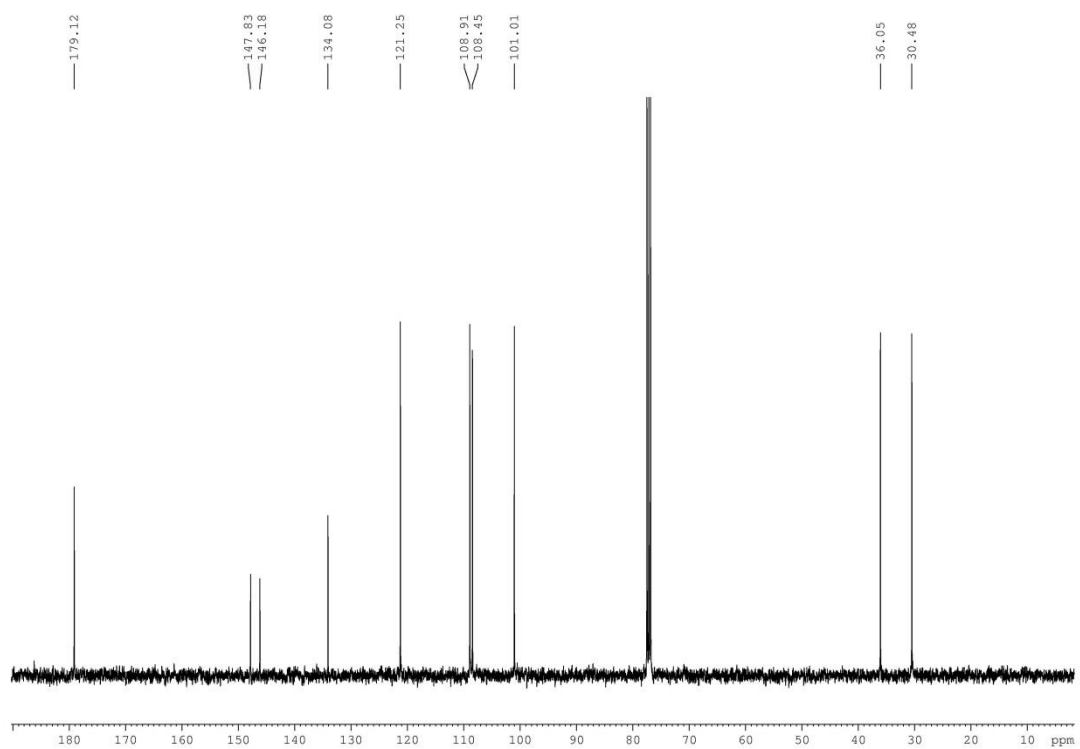
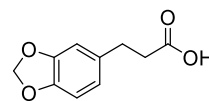
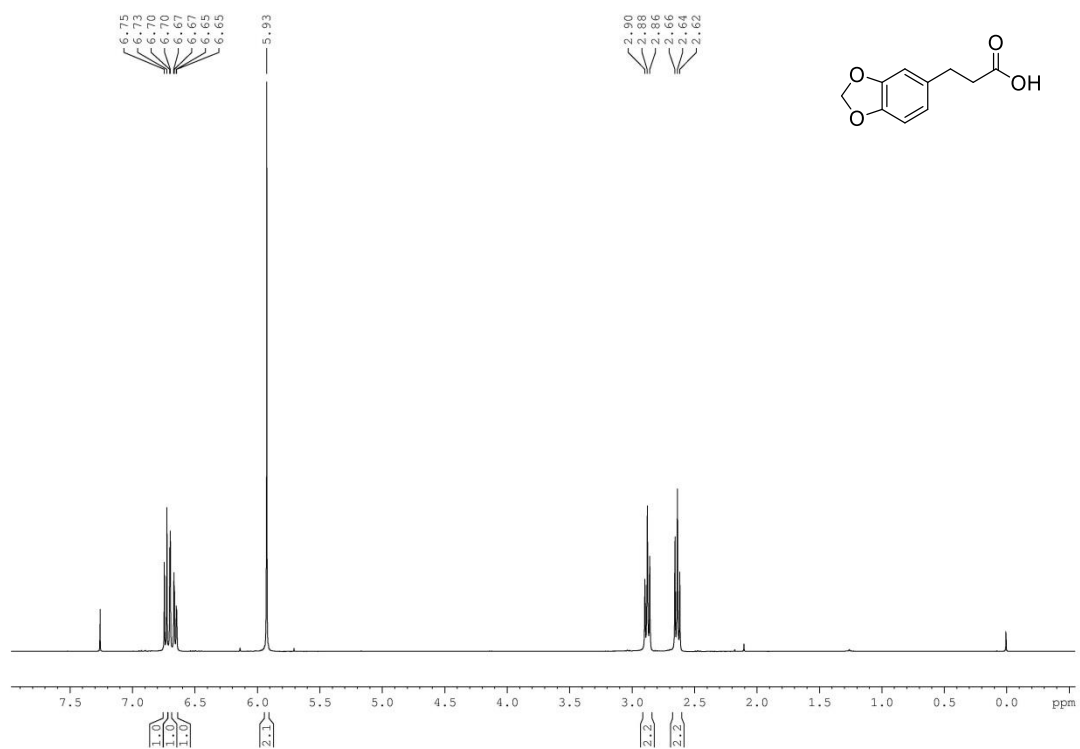
(E)-4-(4-(3',4'-Methylenedioxyphenyl)but-2-en-1-yl)morpholine **9b**



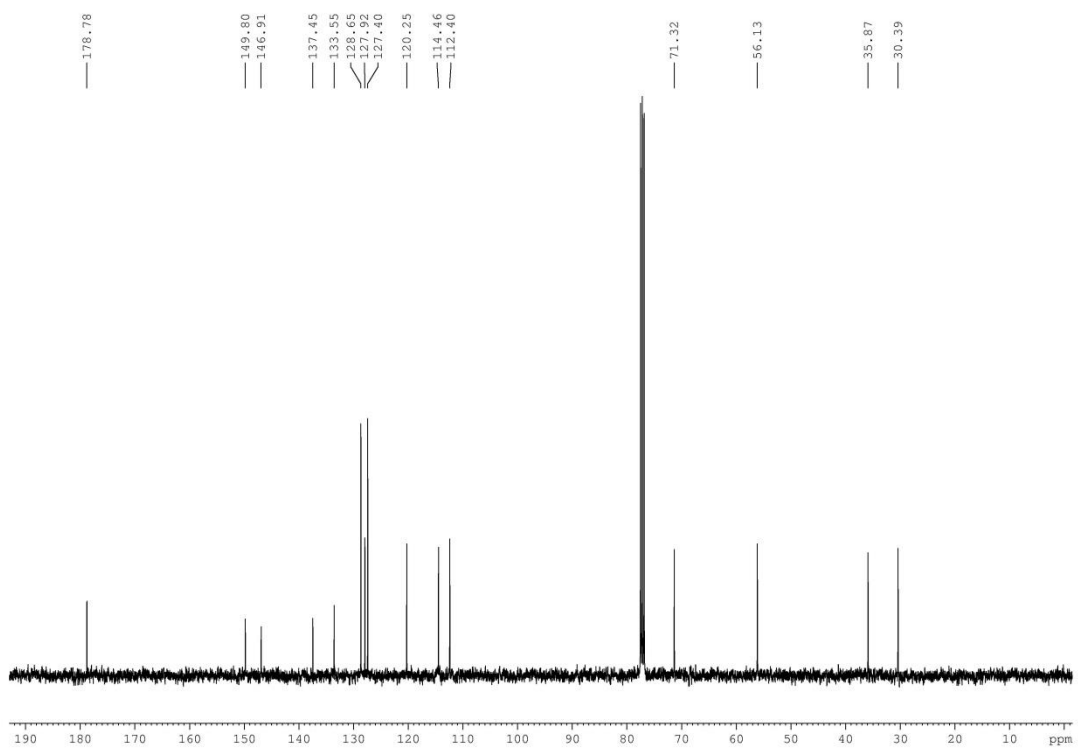
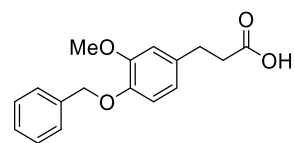
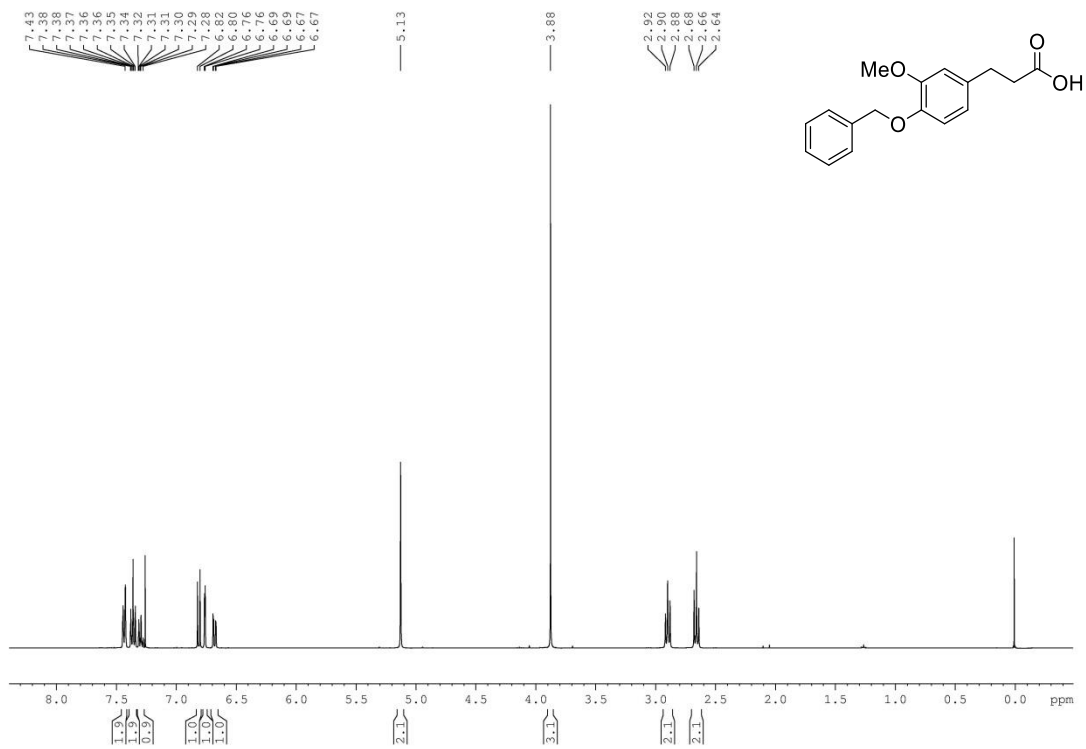
3-(3',4',5'-Trimethoxyphenyl)propionic acid **31**



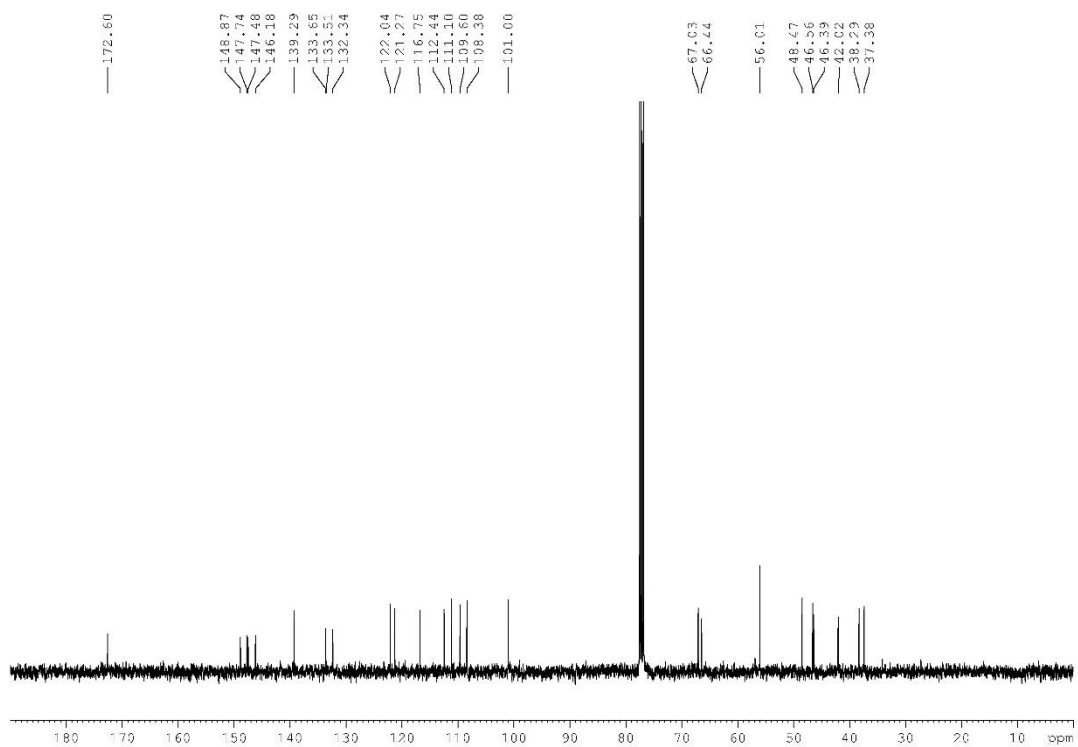
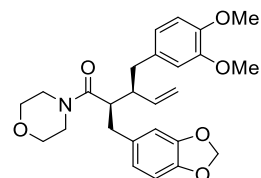
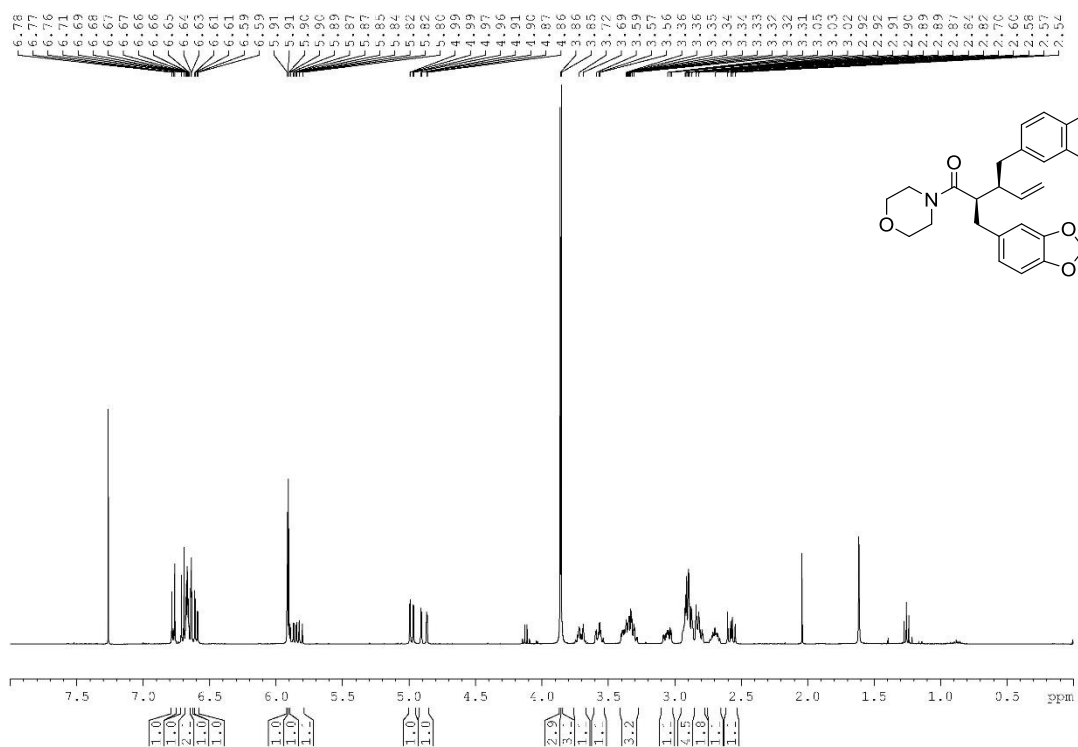
3-(3',4'-Methylenedioxyphenyl)propionic acid **30**



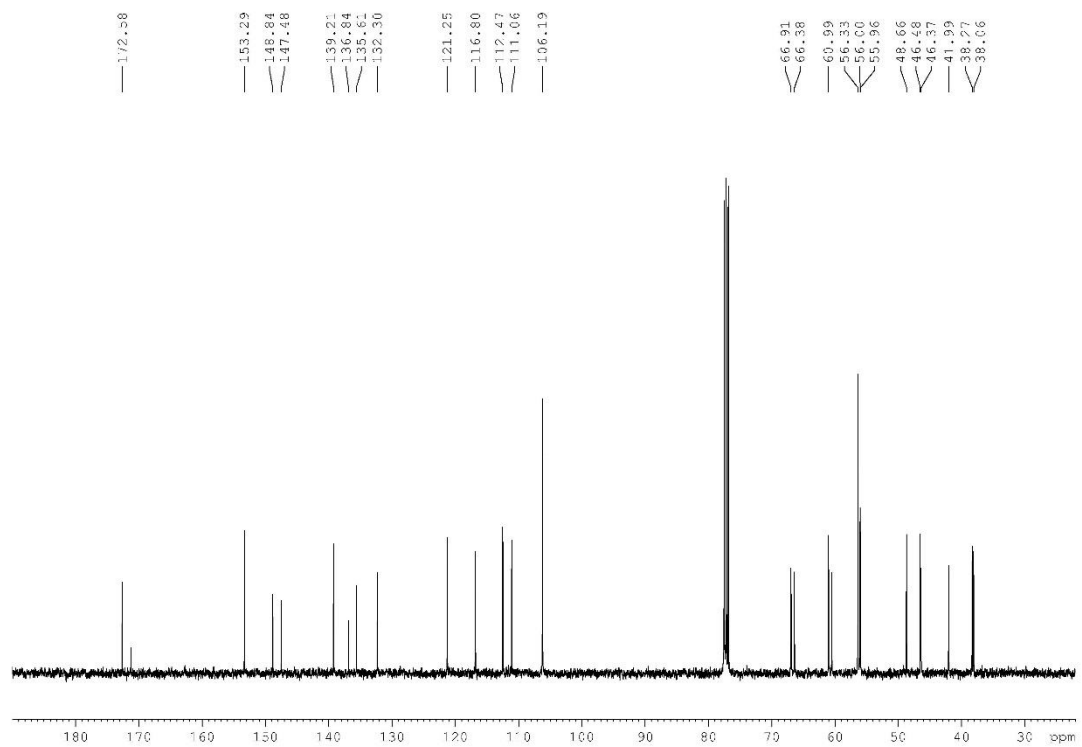
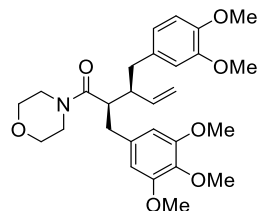
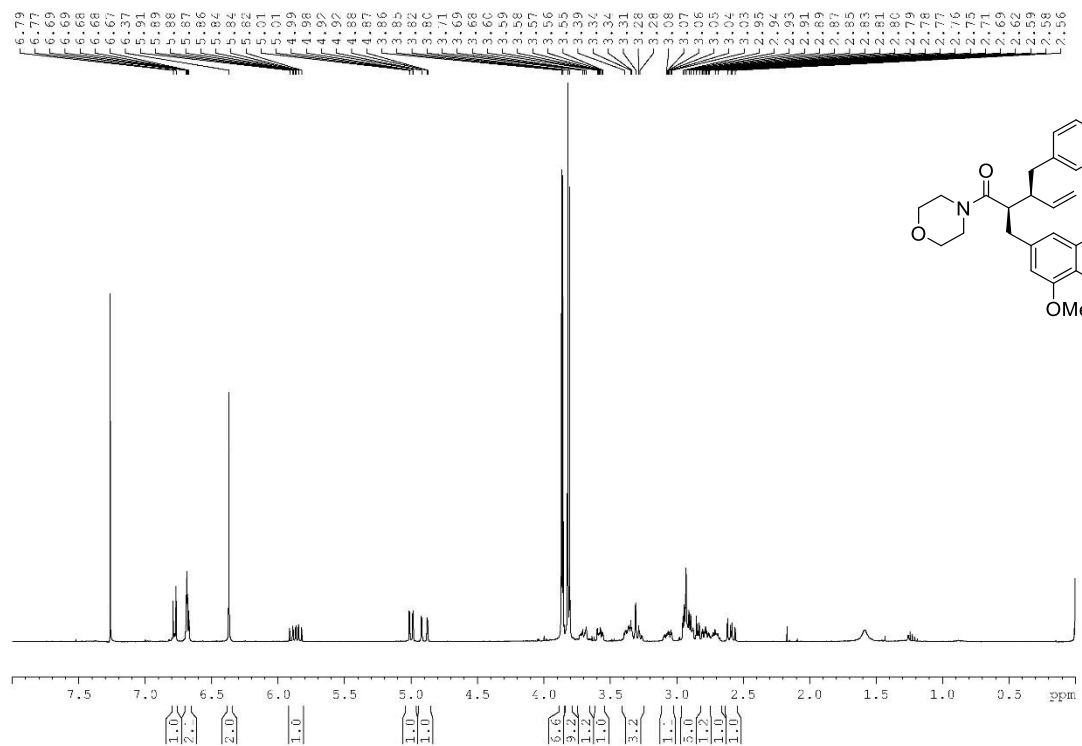
3-(3'-Methoxy-4'-benzyloxyphenyl)propionic acid **32**



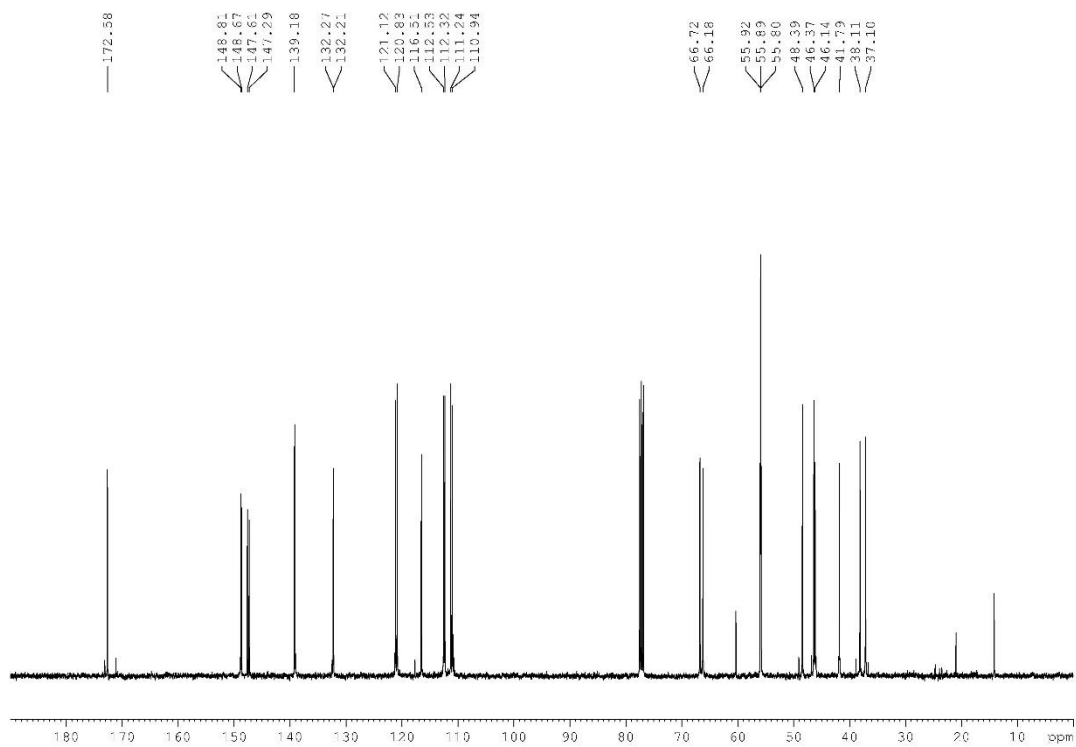
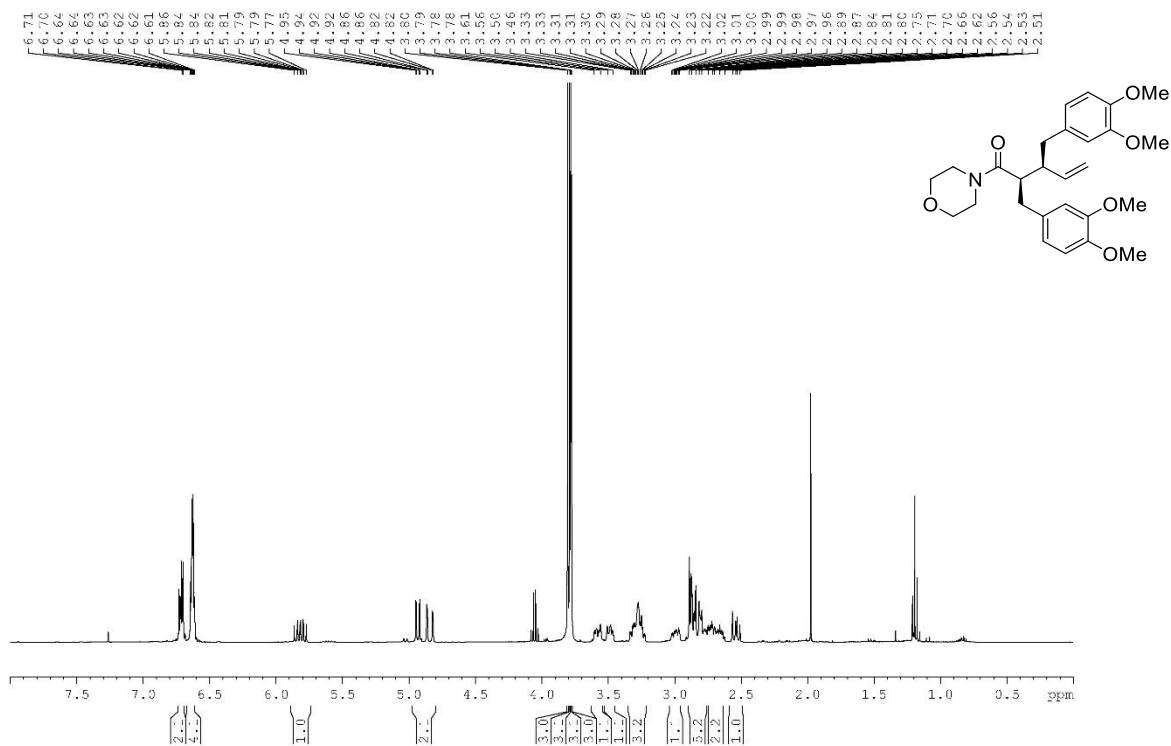
(2*R**,3*S**)-2-(3',4'-Methylenedioxybenzyl)-3-(3'',4''-dimethoxybenzyl)-1-morpholinopent-4-en-1-one
35ab



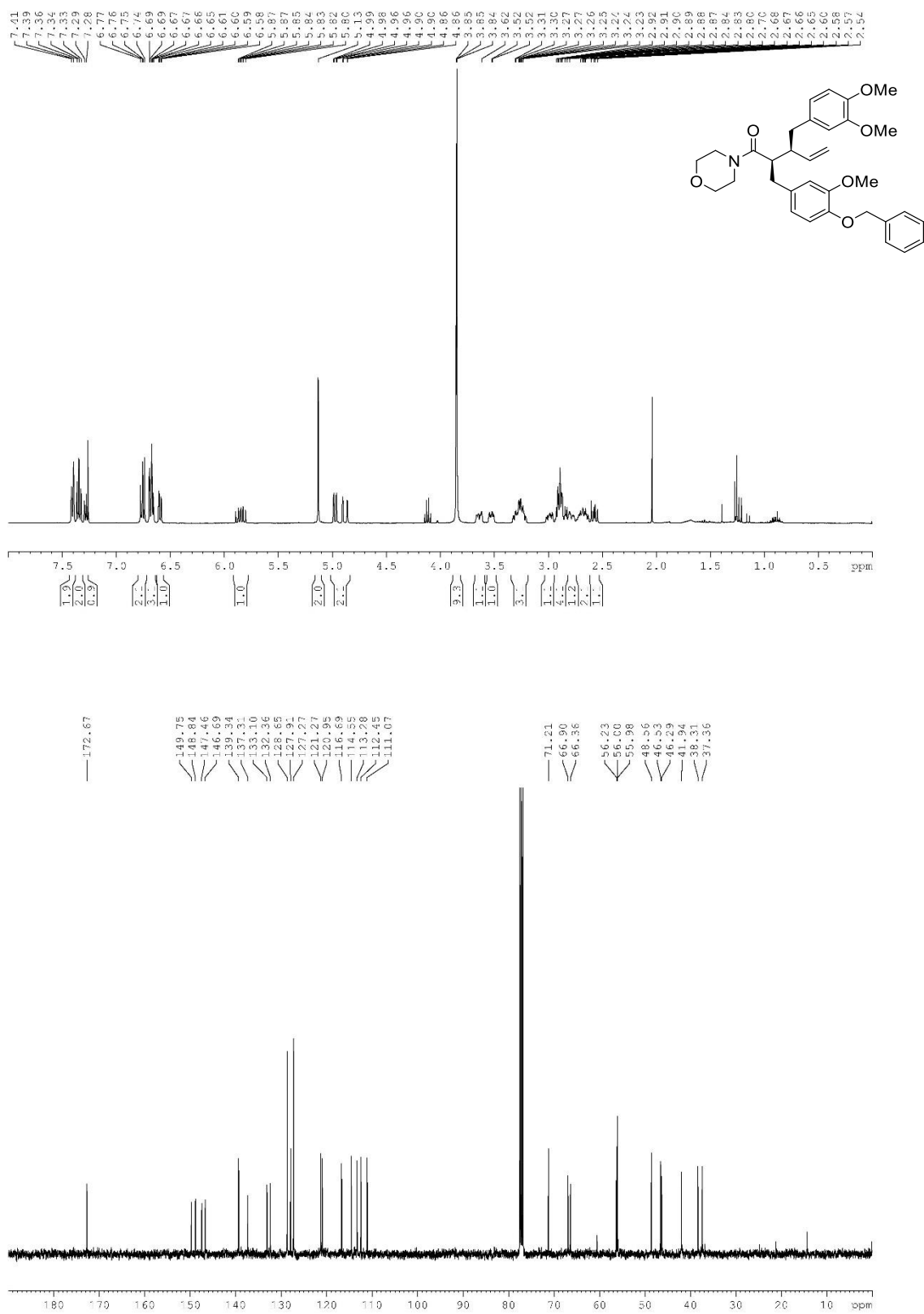
(2*R**,3*S**)-2-(3',4',5'-Trimethoxybenzyl)-3-(3'',4''-dimethoxybenzyl)-1-morpholinopent-4-en-1-one **35ac**



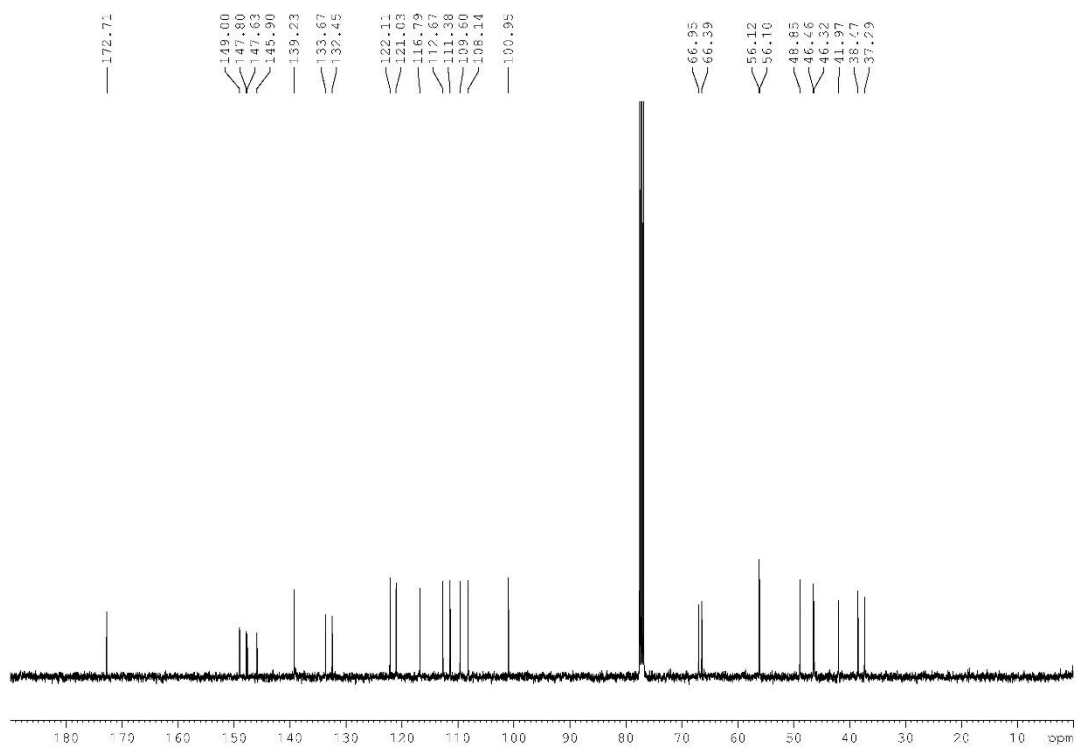
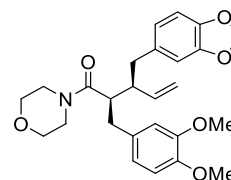
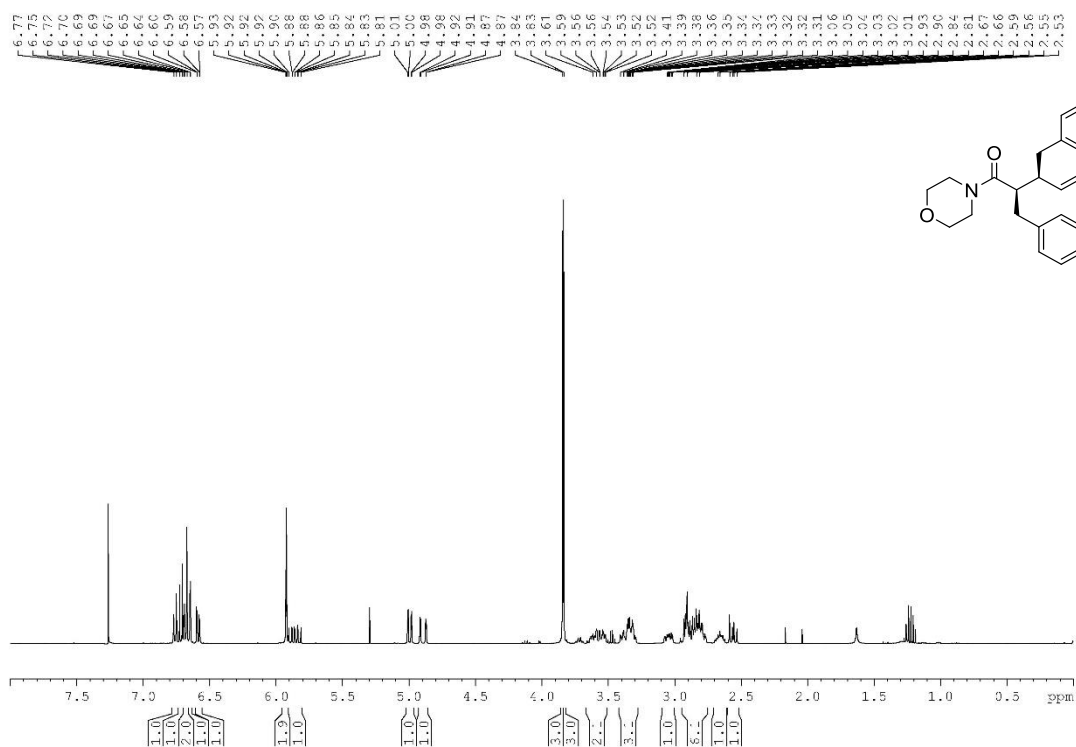
(2*R**,3*S**)-2-(3',4'-Dimethoxybenzyl)-3-(3'',4''-dimethoxybenzyl)-1-morpholinopent-4-en-1-one **35aa**



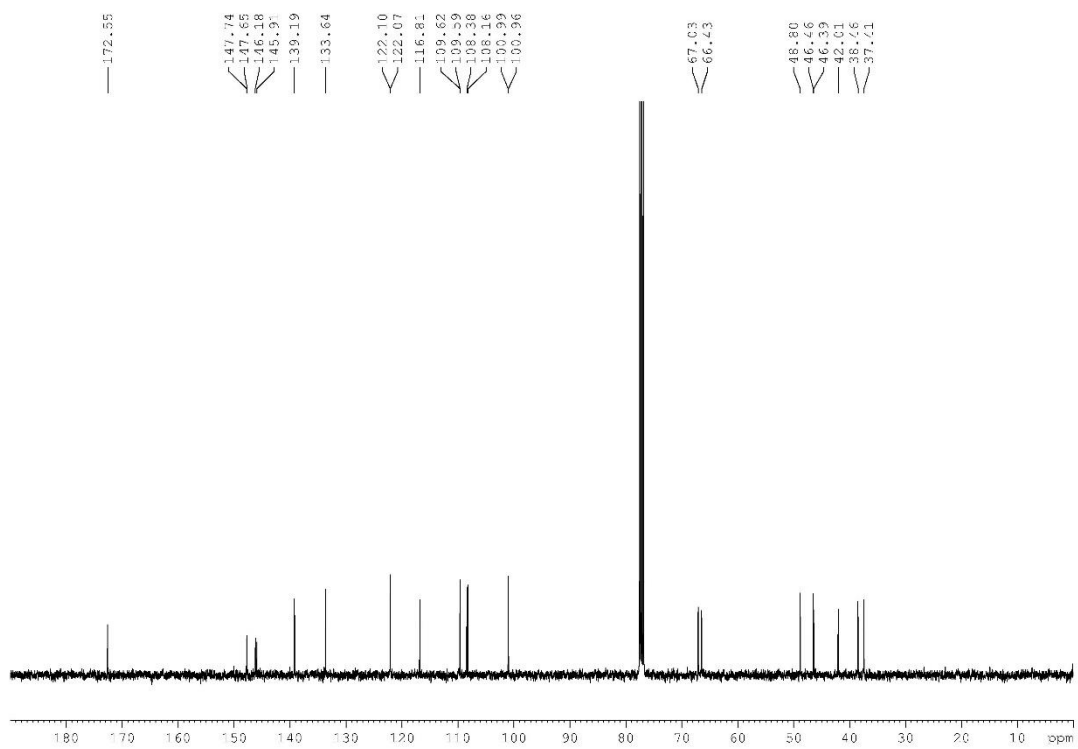
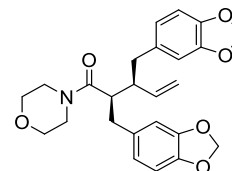
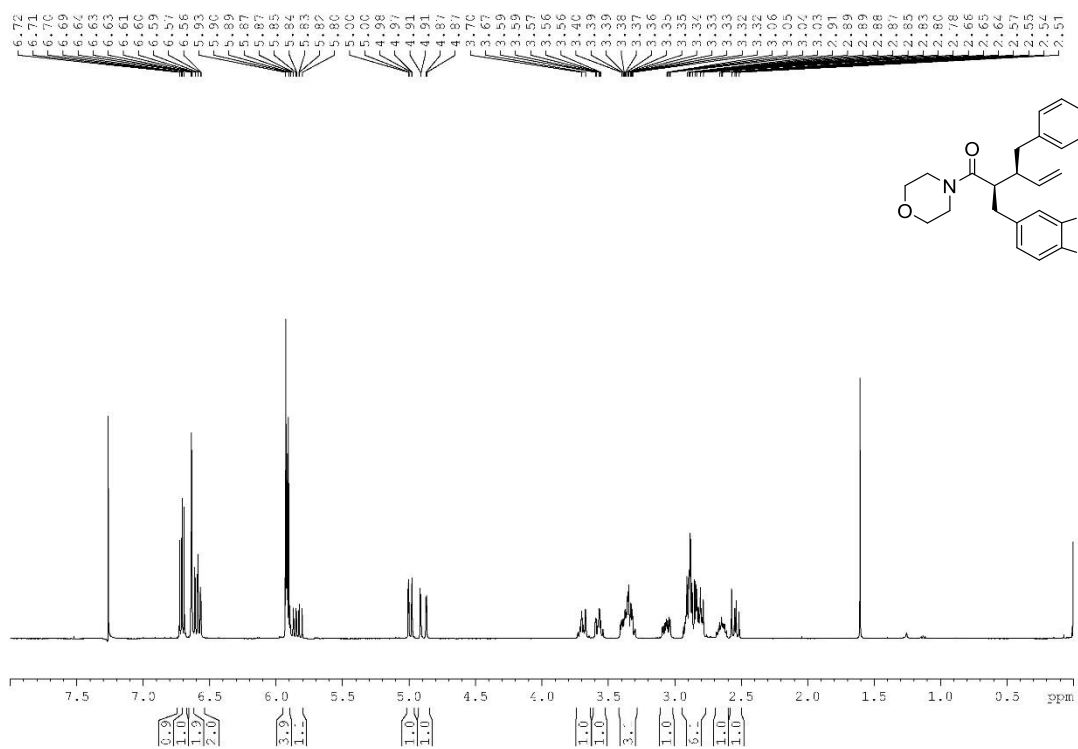
(2*R**,3*S**)-2-(3'-Methoxy-4'-benzyloxybenzyl)-3-(3'',4''-dimethoxybenzyl)-1-morpholino-pent-4-en-1-one **35ad**



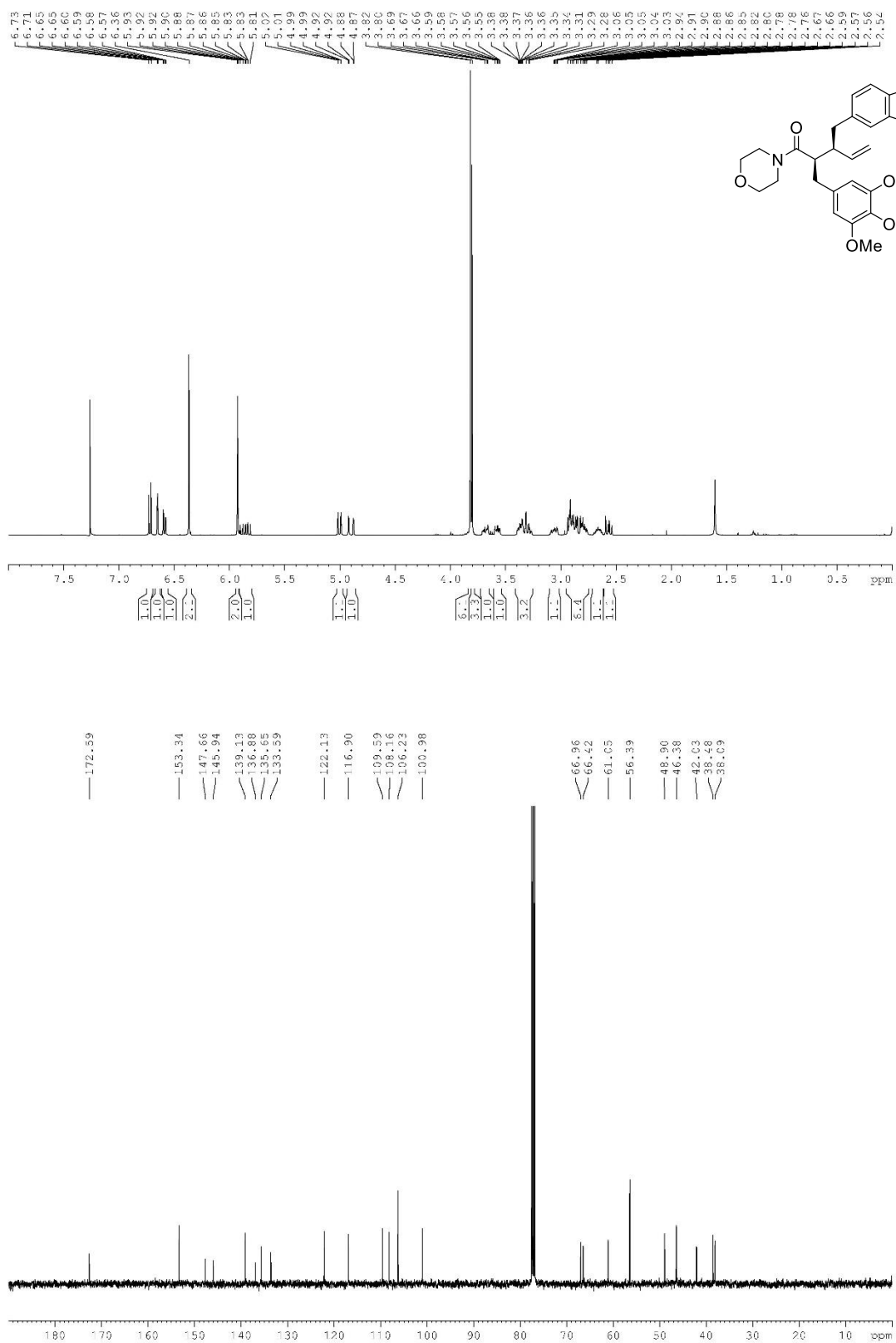
(2*R**,3*S**)-2-(3',4'-Dimethoxybenzyl)-3-(3'',4''-methylenedioxybenzyl)-1-morpholinopent-4-en-1-one
35ba



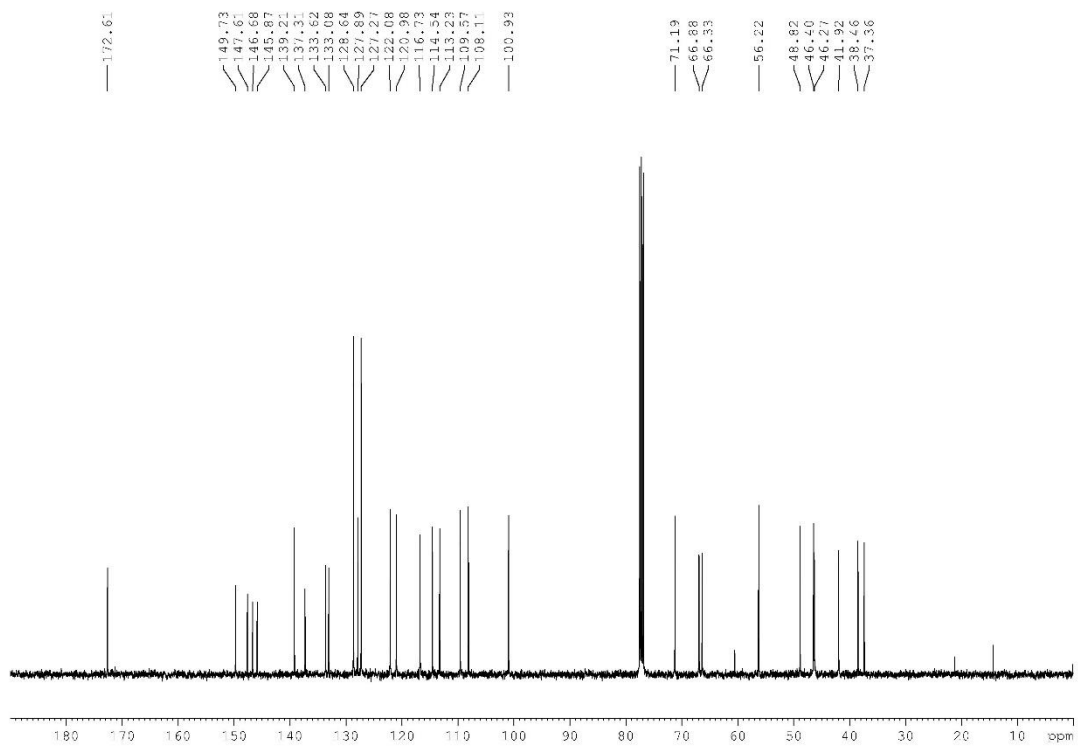
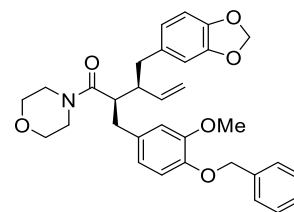
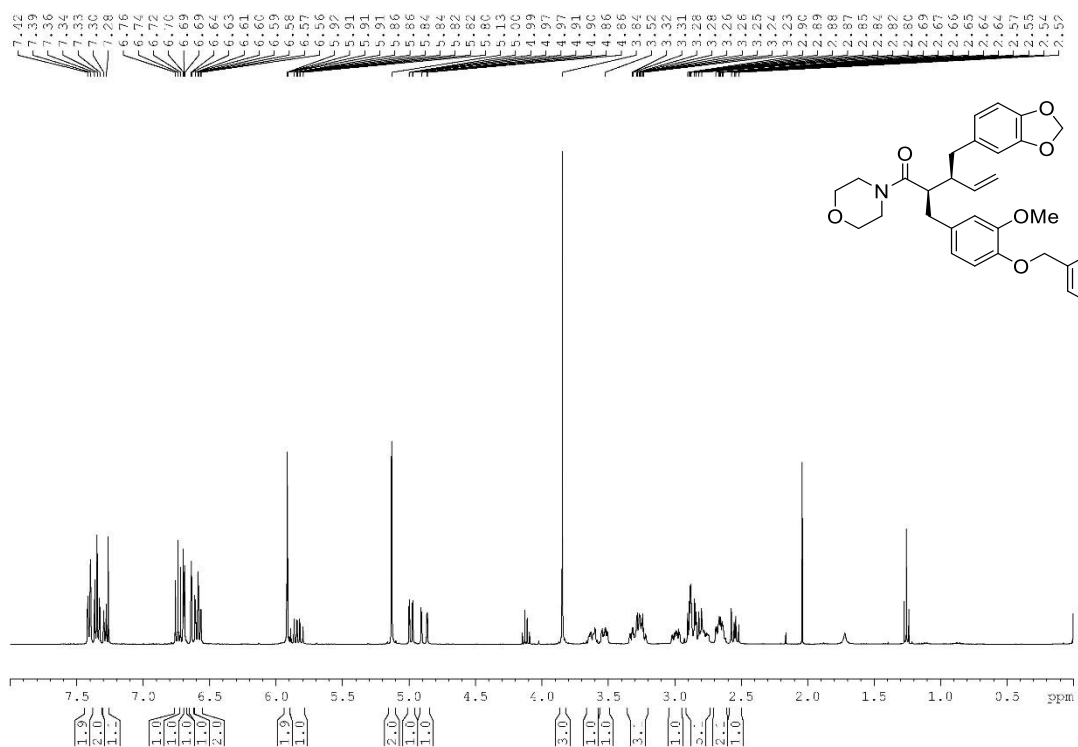
(2*R**,3*S**)-2-(3',4'-Methylenedioxybenzyl)-3-(3'',4''-methylenedioxybenzyl)-1-morpholinopent-4-en-1-one **35bb**



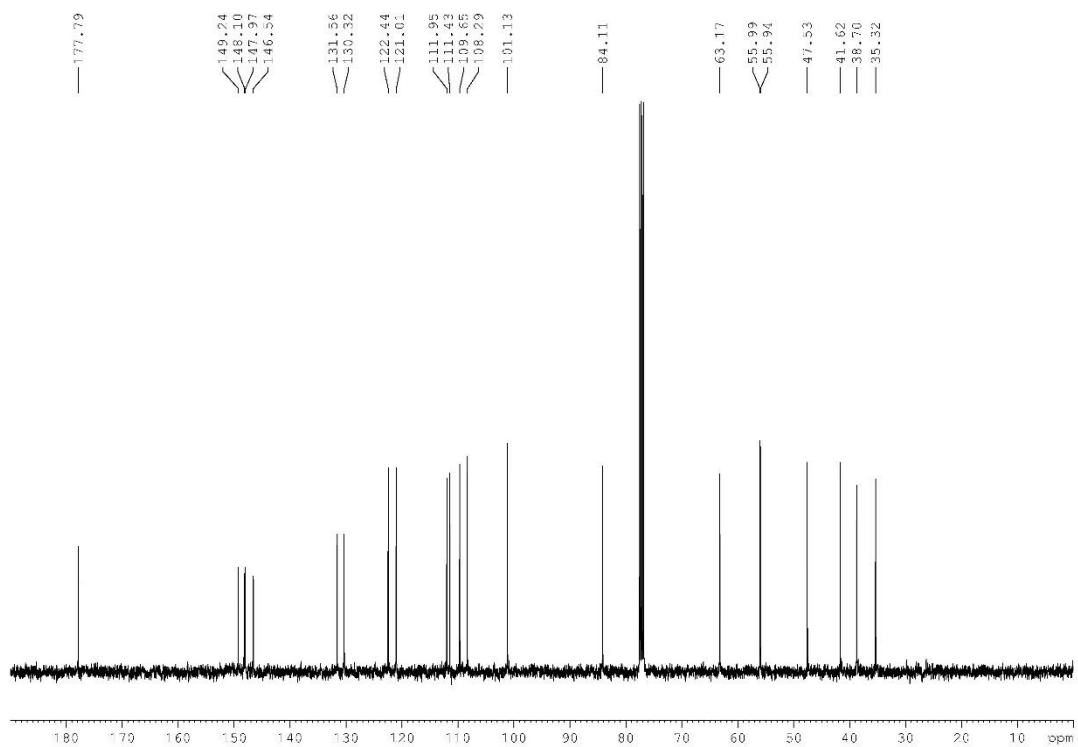
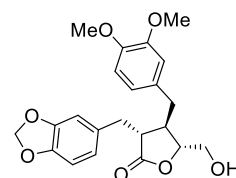
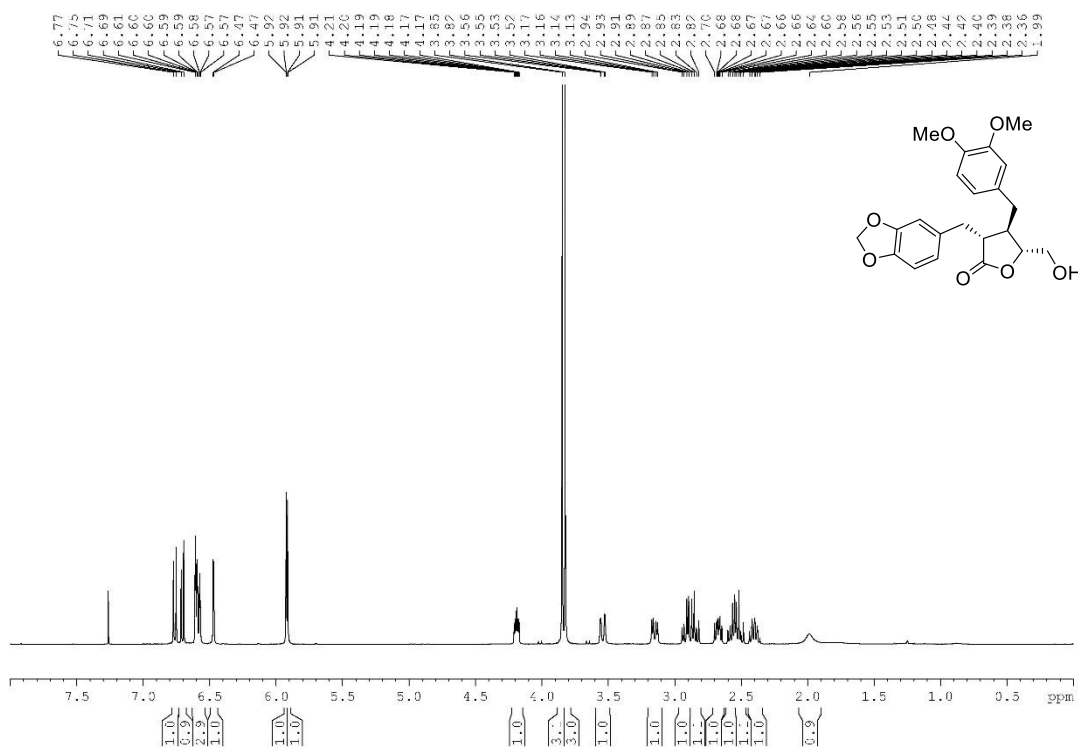
(2R*,3S*)-2-(3',4',5'-Trimethoxybenzyl)-3-(3'',4''-methylenedioxybenzyl)-1-morpholinopent-4-en-1-one
35bc



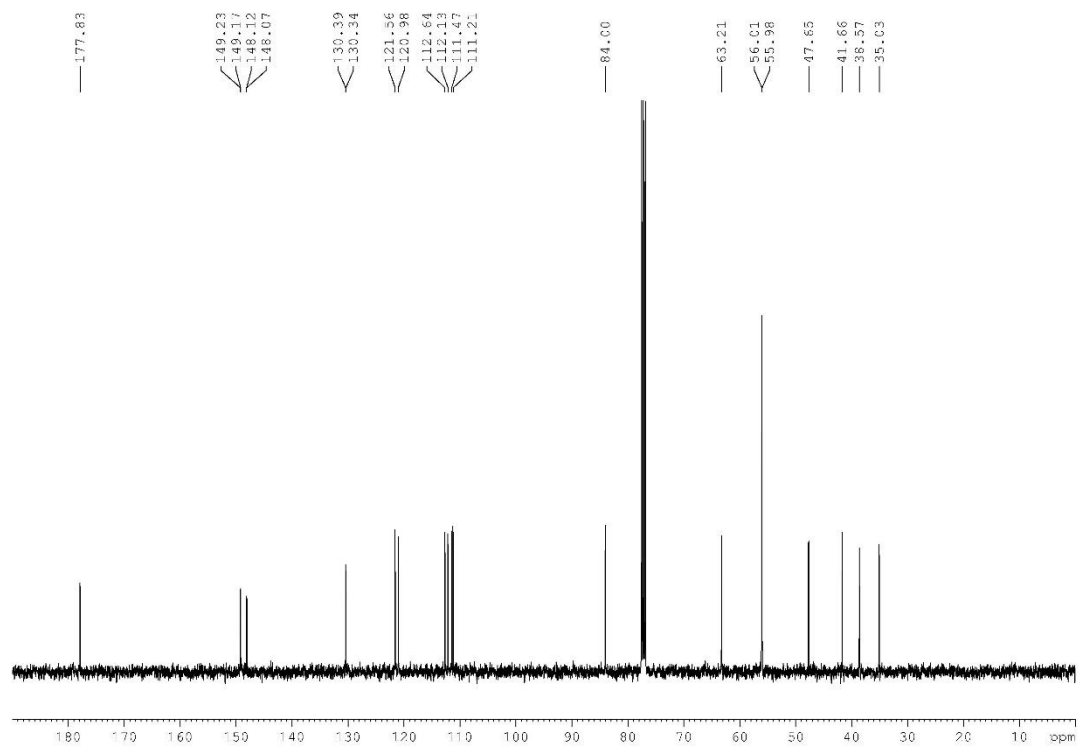
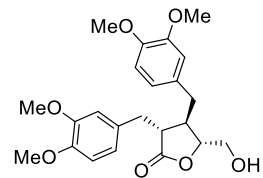
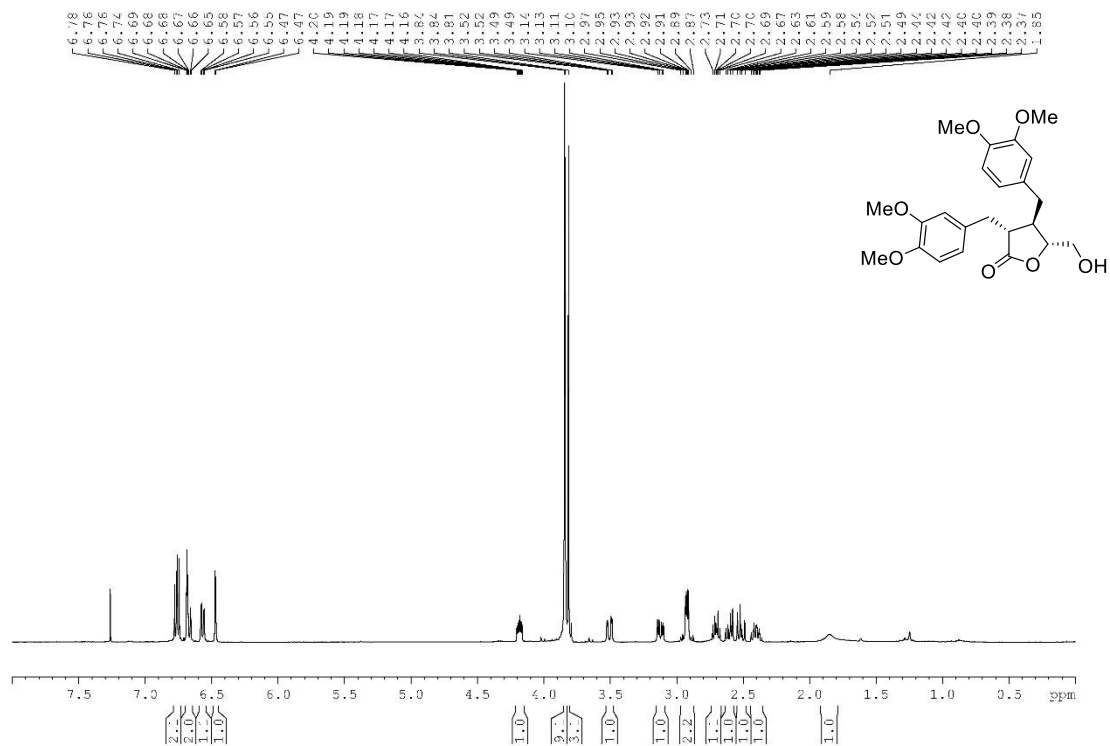
(2*R**,3*S**)-2-(3'-Methoxy-4'-benzyloxybenzyl)-3-(3'',4''-methylenedioxybenzyl)-1-morpholinopent-4-en-1-one **35bd**



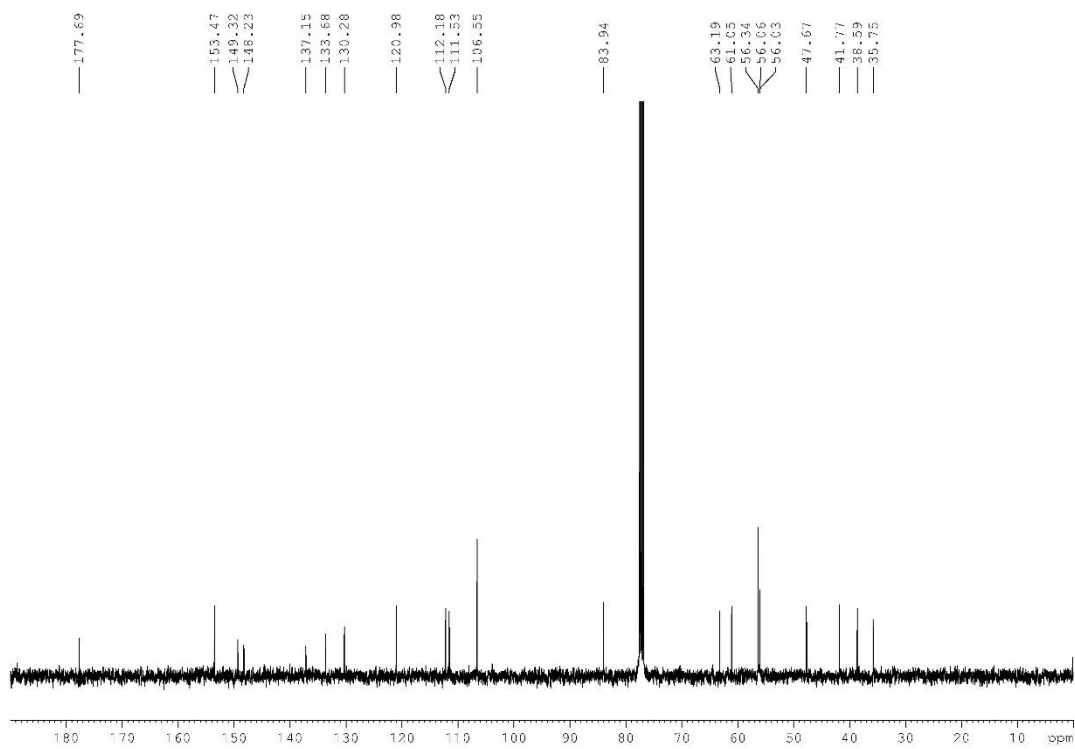
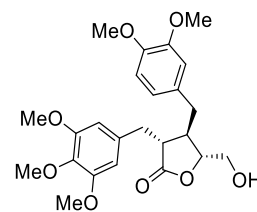
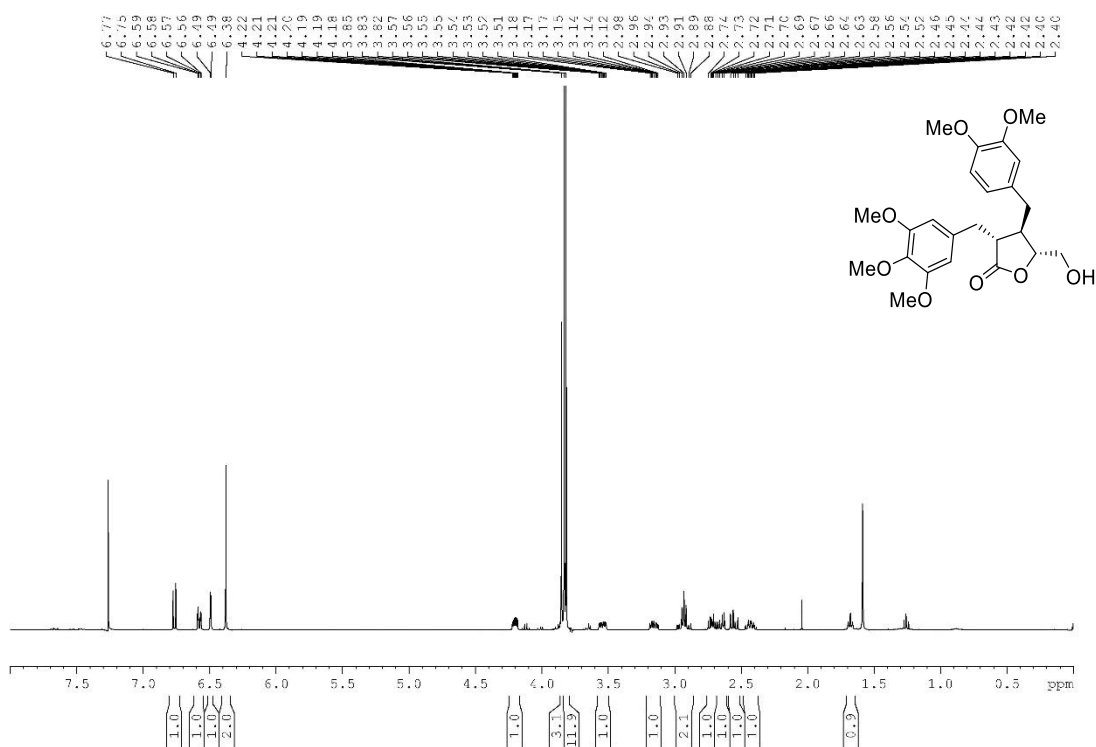
(3*R**,4*R**)-3-(3',4'-Methylenedioxybenzyl)-4-(3'',4''-dimethoxybenzyl)-5-(hydroxymethyl) dihydrofuran-2(3*H*)-one **4ab**



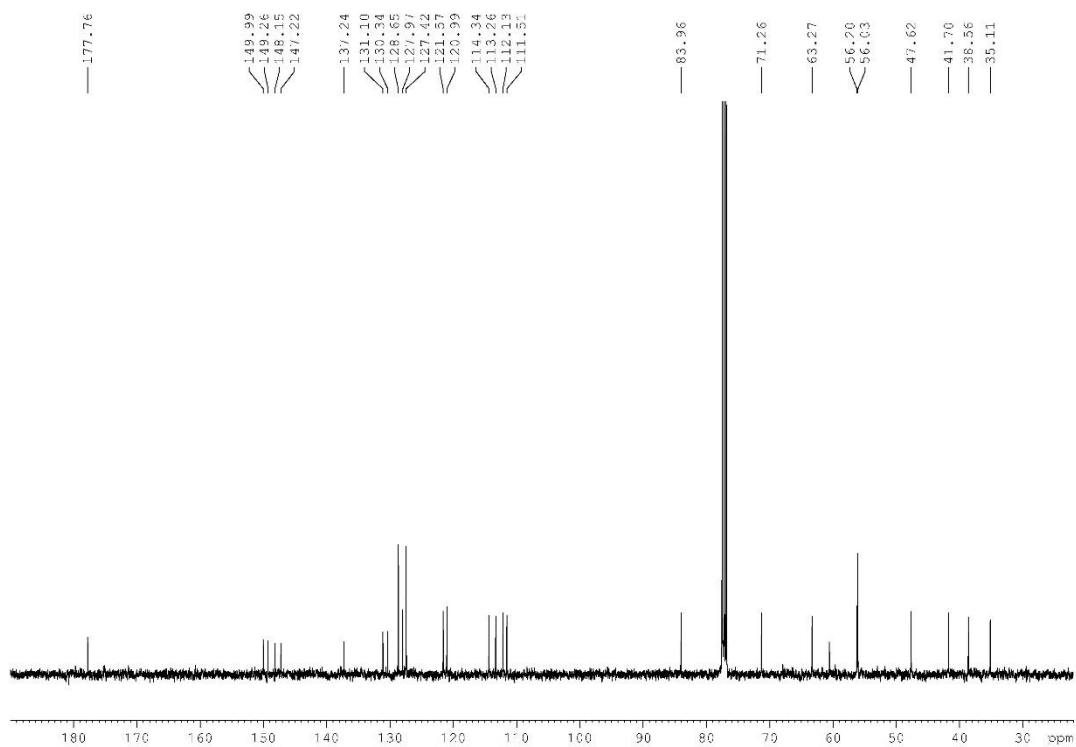
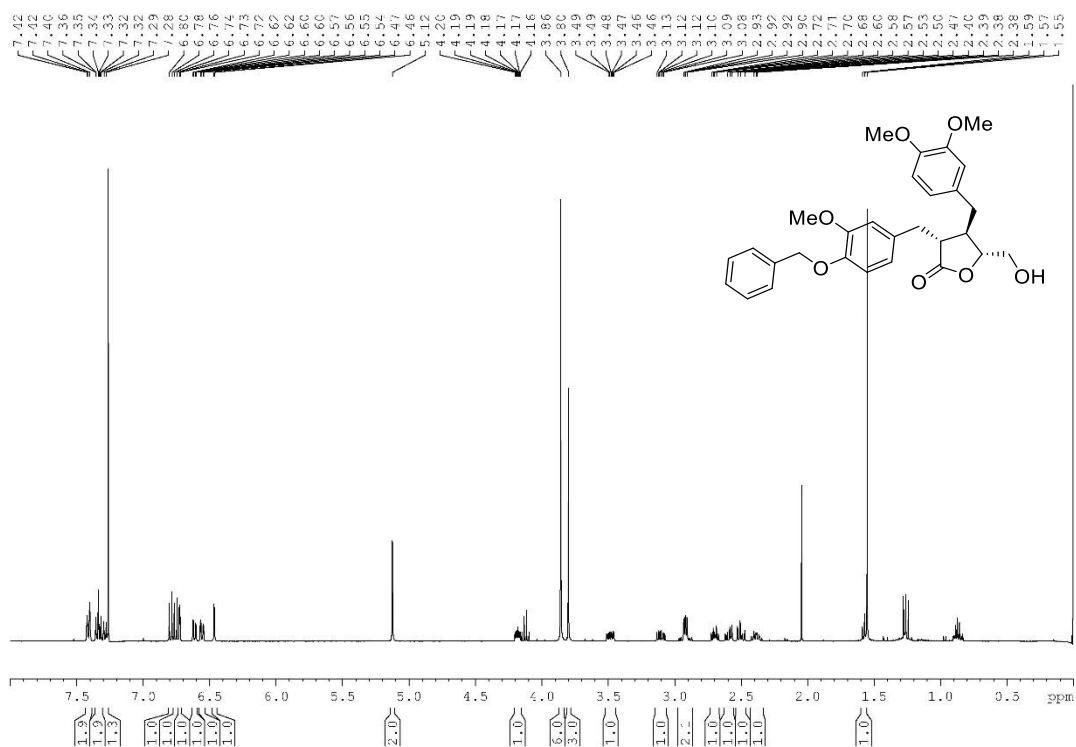
(3*R**,4*R**)-3,4-bis(3',4'-Dimethoxybenzyl)-5-(hydroxymethyl)dihydrofuran-2(3*H*)-one **4aa**



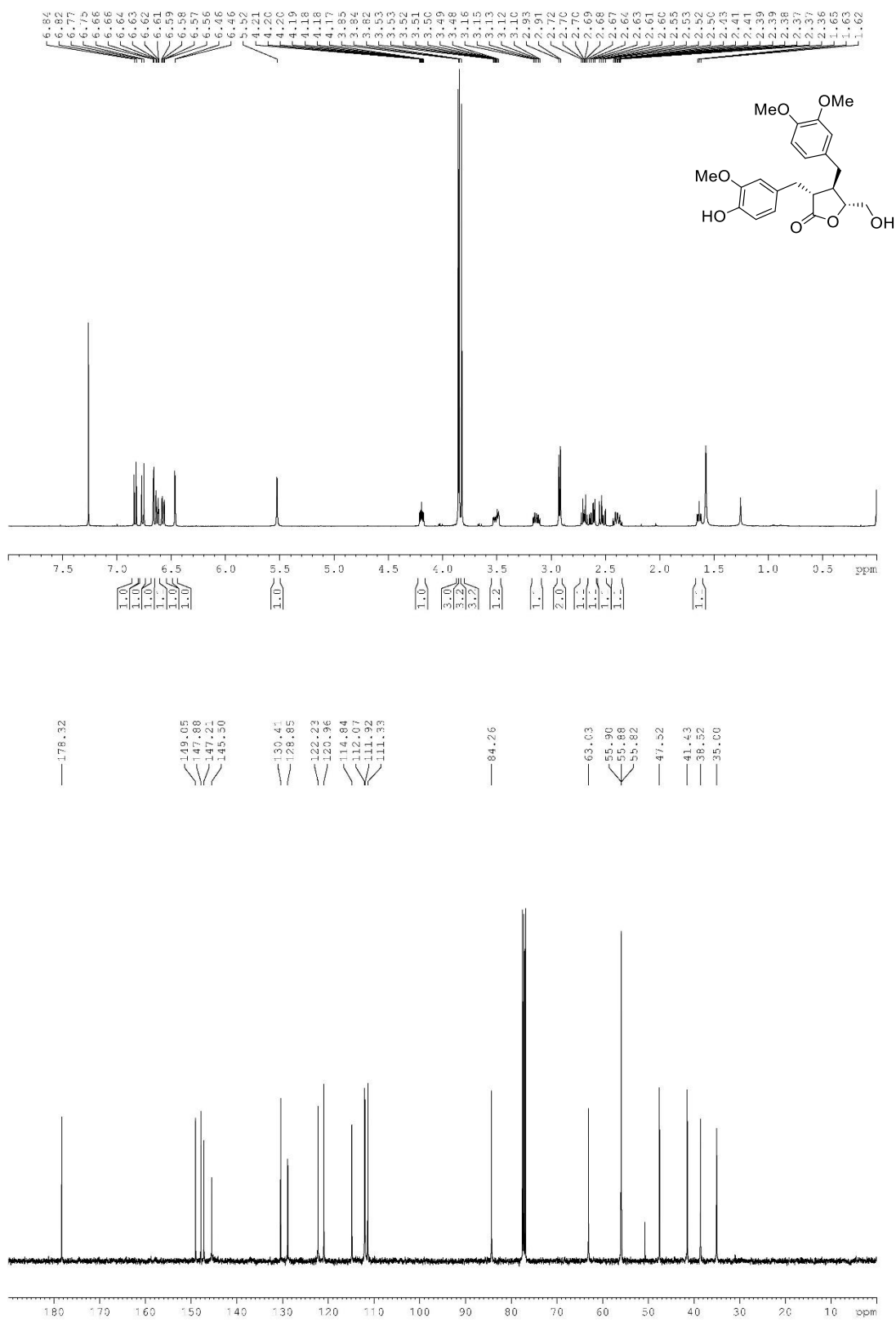
(3*R**,4*R**)-3-(3',4',5'-Trimethoxybenzyl)-4-(3'',4''-dimethoxybenzyl)-5-(hydroxymethyl) dihydrofuran-2(3*H*)-one **4ac**



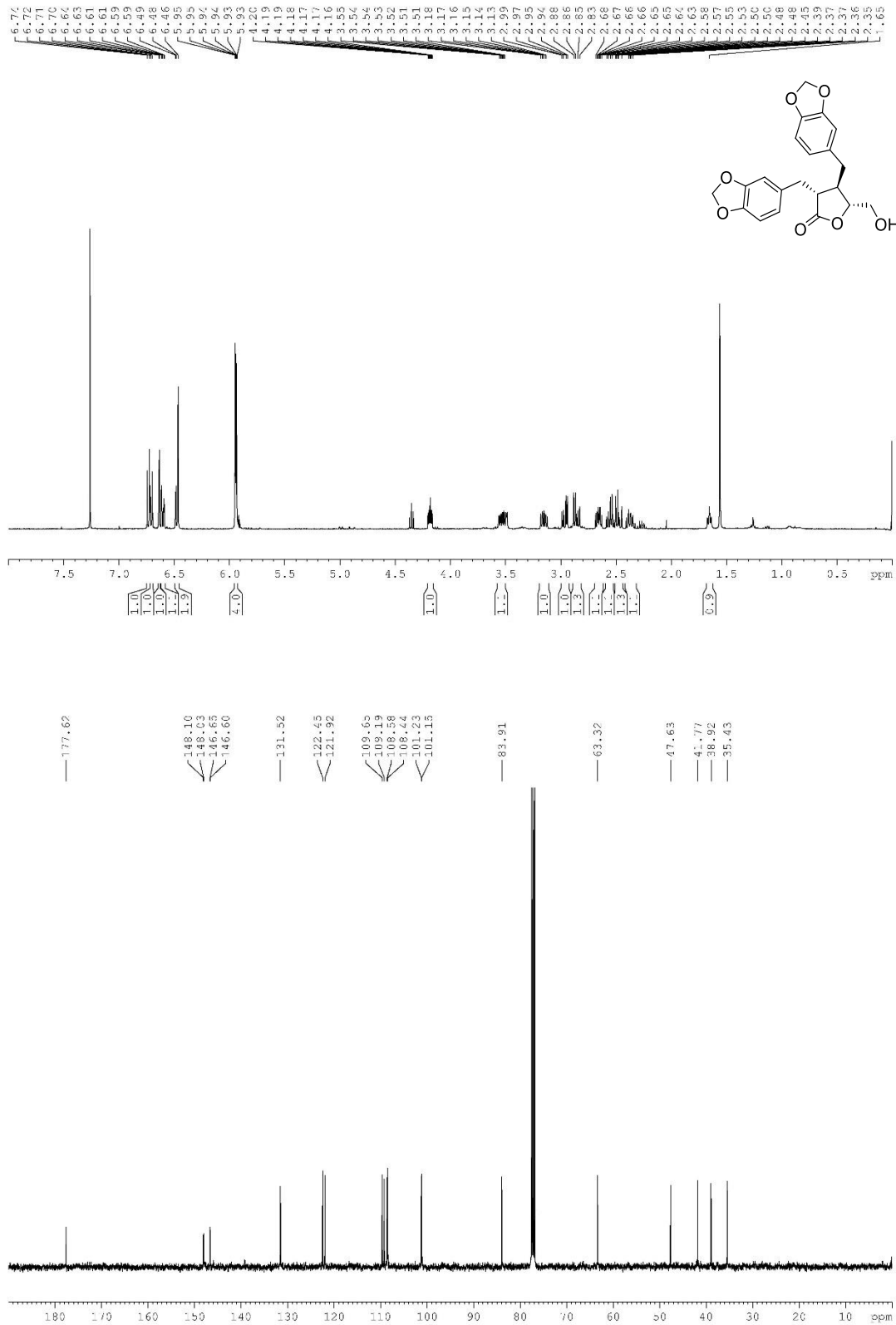
(3*R**,4*R**)-3-(3'-Methoxy-4'-benzyloxybenzyl)-4-(3'',4''-dimethoxybenzyl)-5-(hydroxymethyl) dihydrofuran-2(3*H*)-one **4ad**



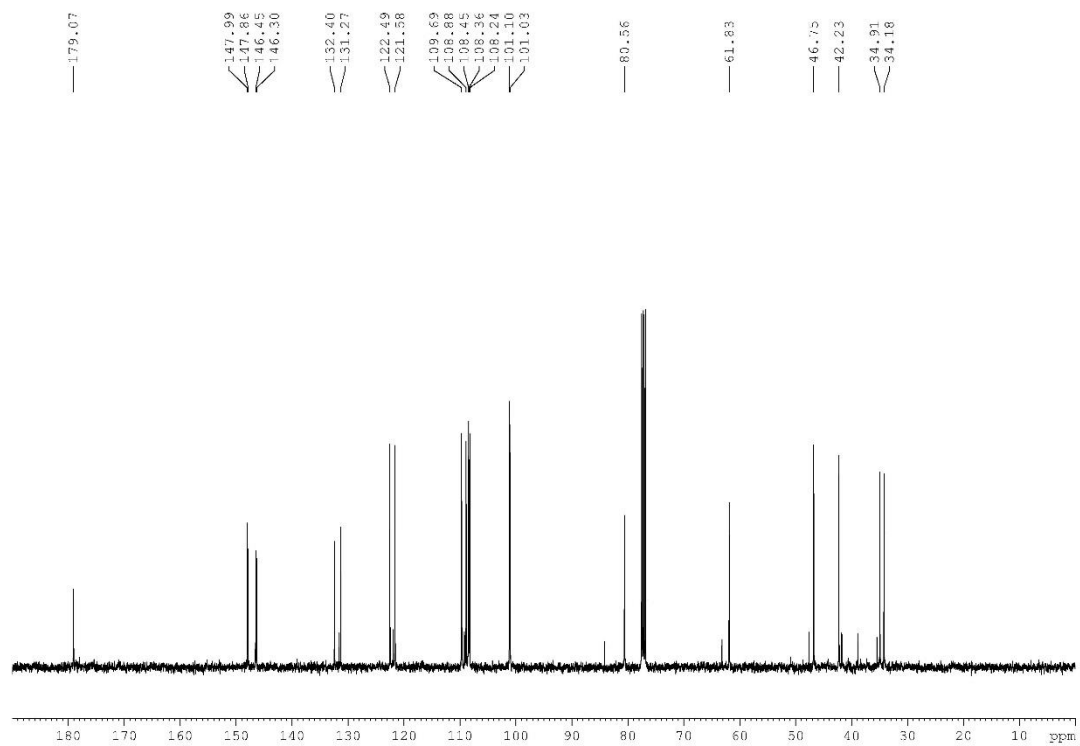
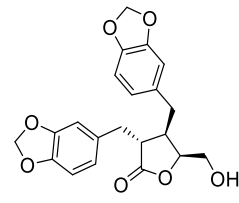
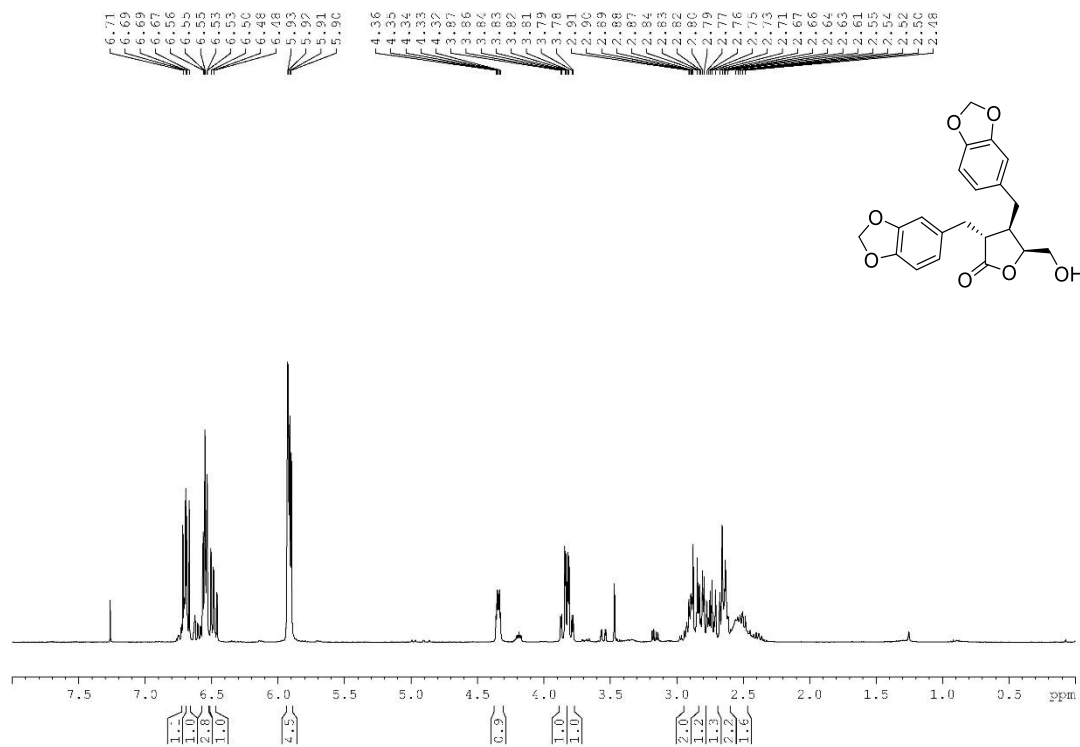
(3*R**,4*R**,5*S**)-4-(3'',4''-Dimethoxybenzyl)-3-(4'-hydroxy-3'-methoxybenzyl)-5-(hydroxymethyl)dihydrofuran-2(3*H*)-one **4ae**



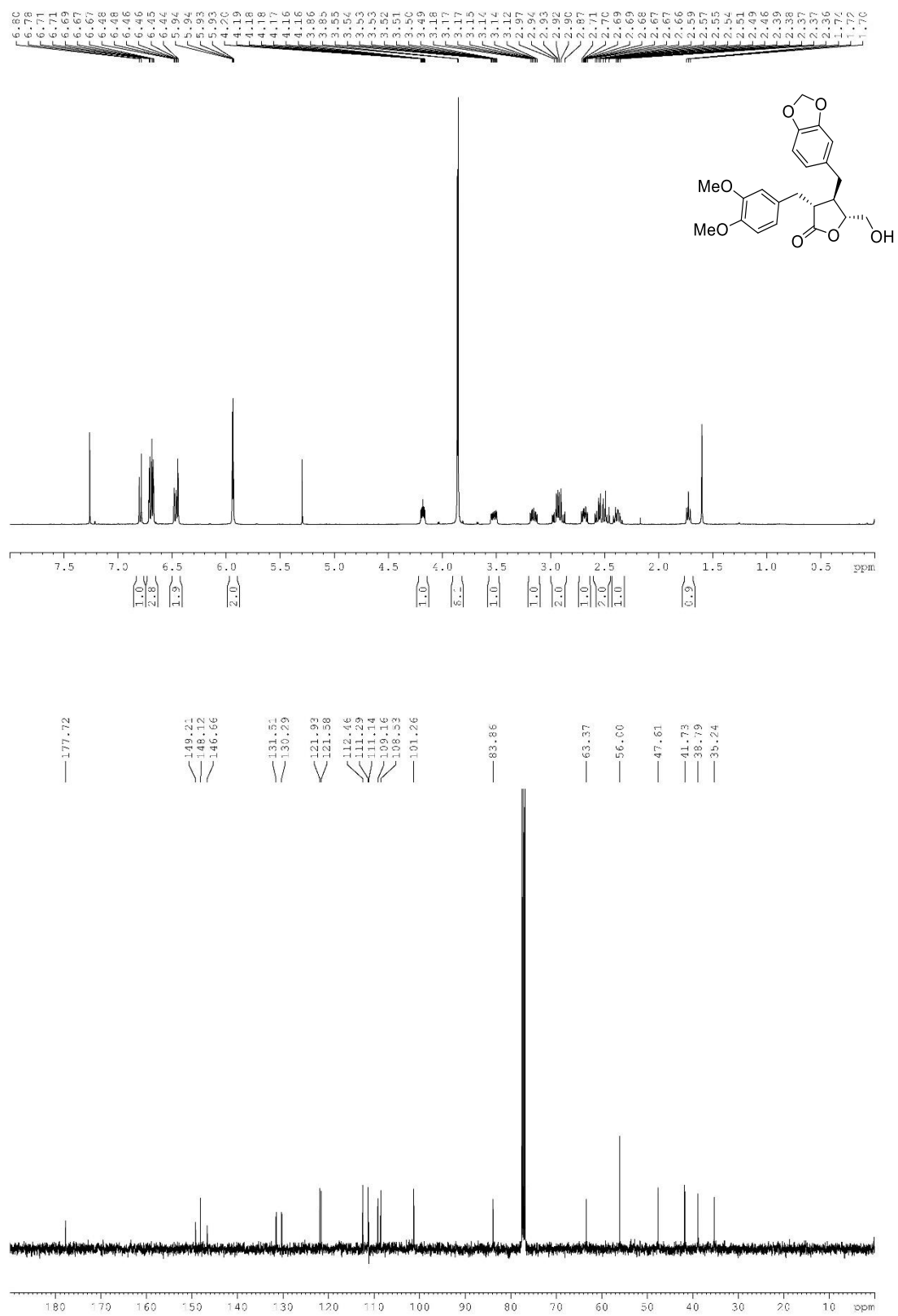
(3*R**,4*R**)-3,4-bis(3',4'-Methylenedioxybenzyl)-5-(hydroxymethyl)dihydrofuran-2(3*H*)-one **4bb**



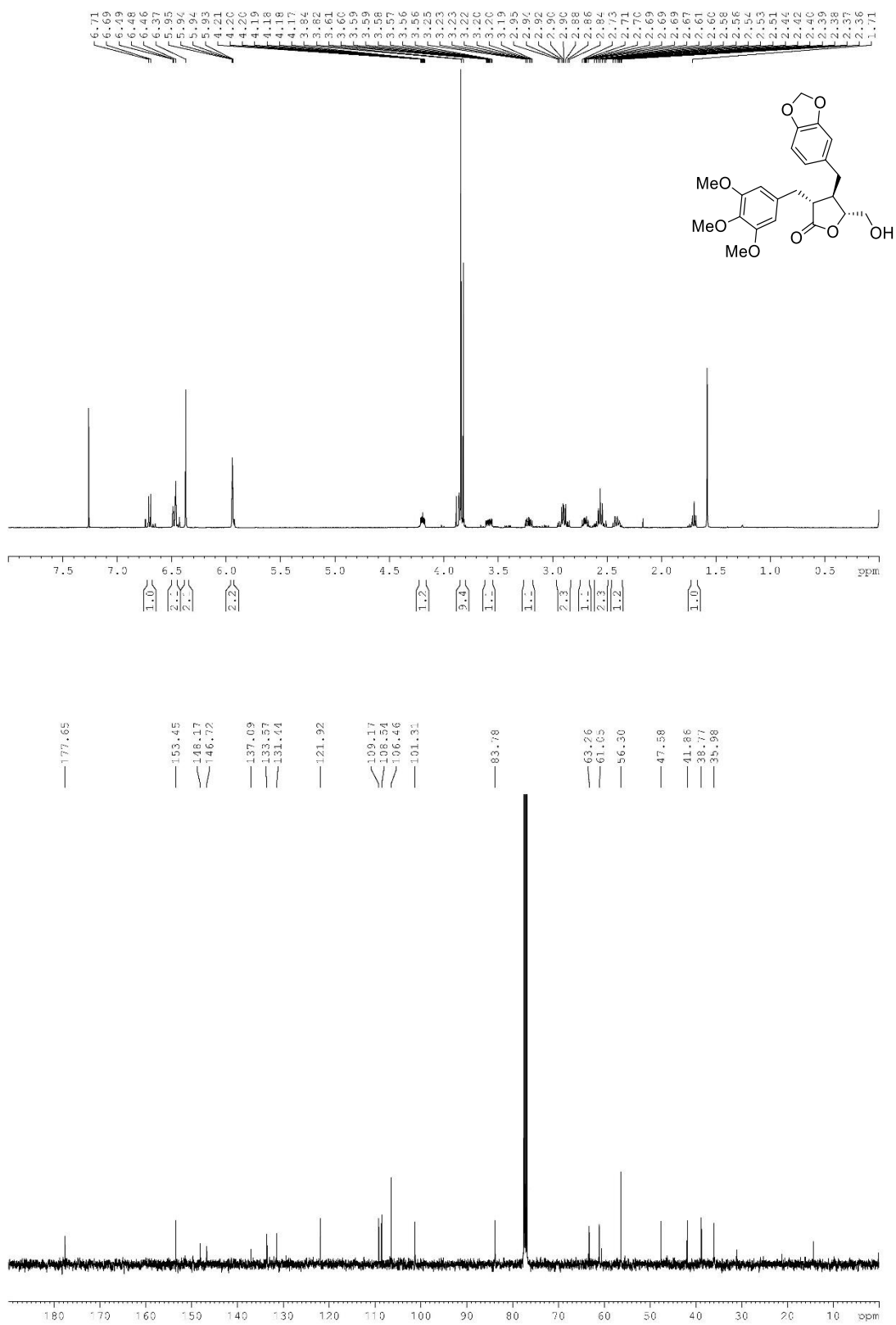
(3*R**,4*R**)-3,4-bis(3',4'-Methylenedioxybenzyl)-5-(hydroxymethyl)dihydrofuran-2(3*H*)-one (*epi*-4**bb**)



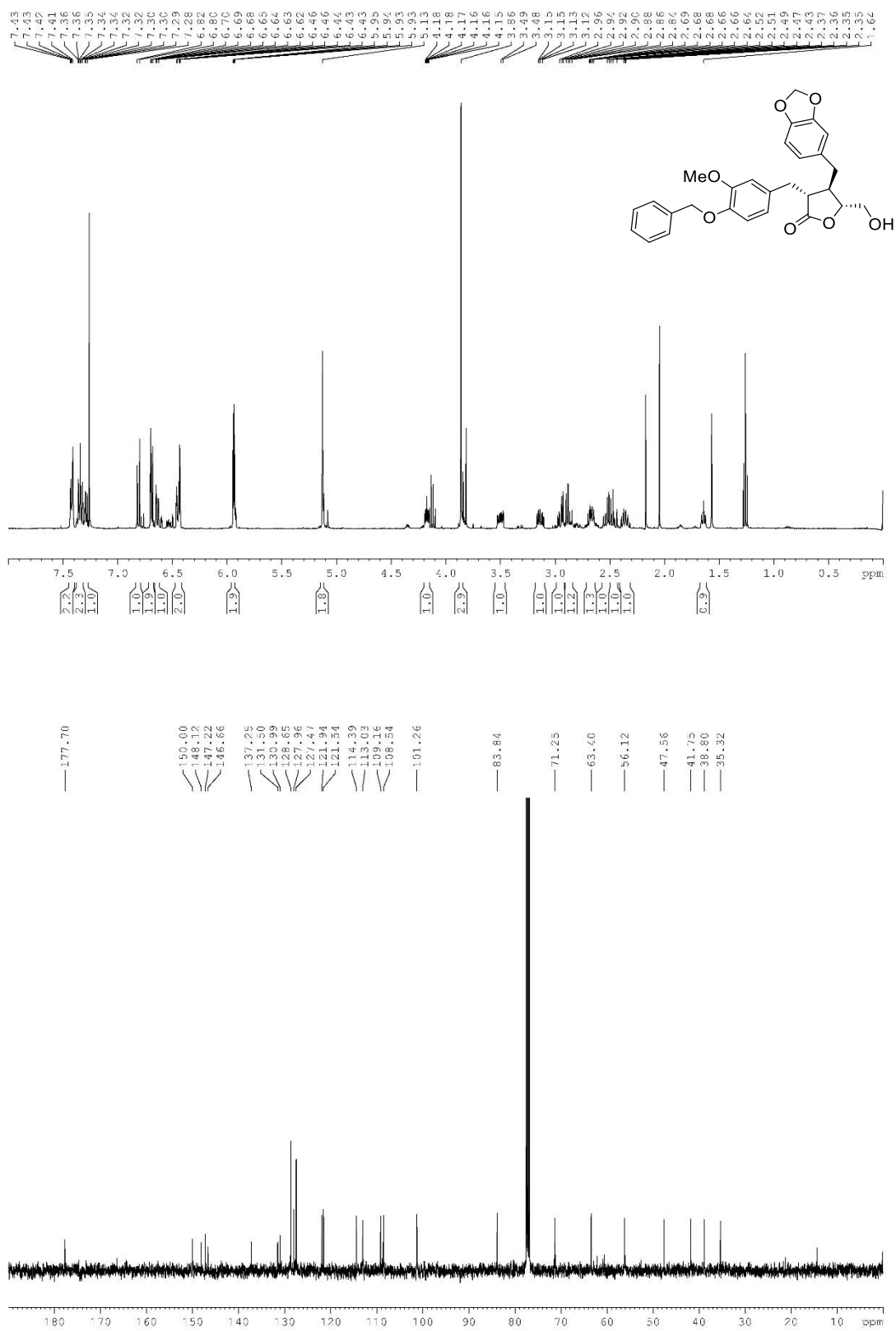
(3*R**,4*R**)-3-(3',4'-Dimethoxybenzyl)-4-(3'',4''-methylenedioxybenzyl)-5-(hydroxymethyl)dihydrofuran-2(3*H*)-one **4ba**



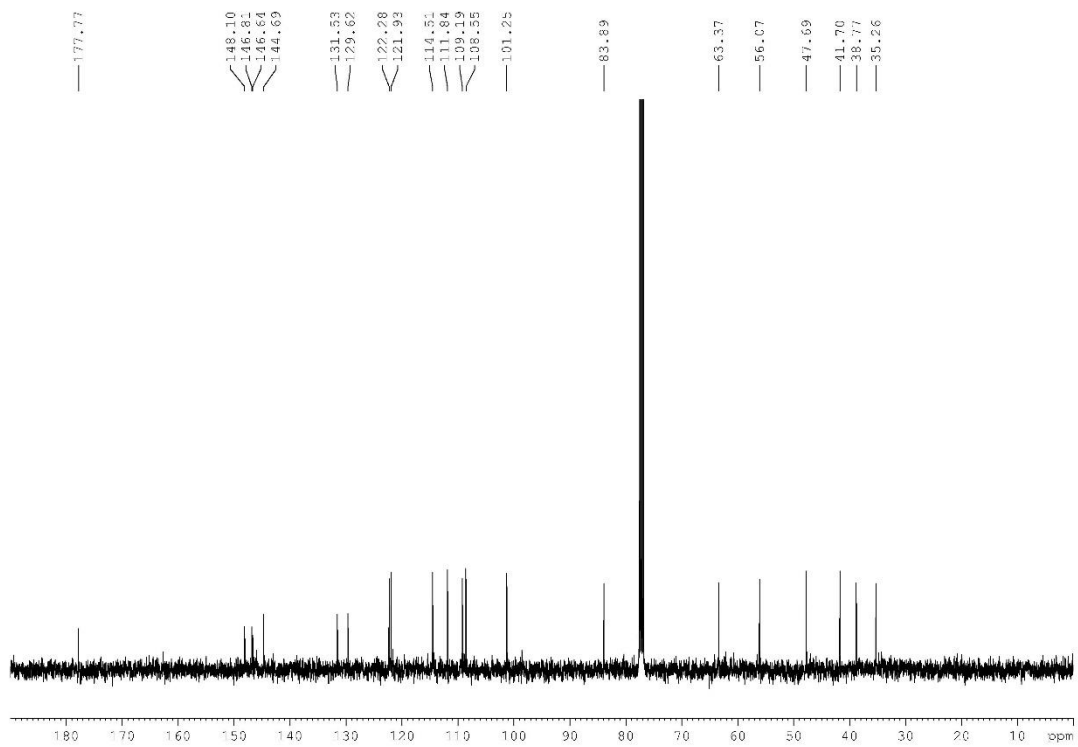
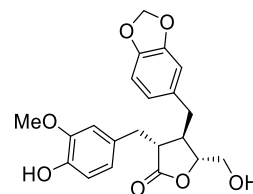
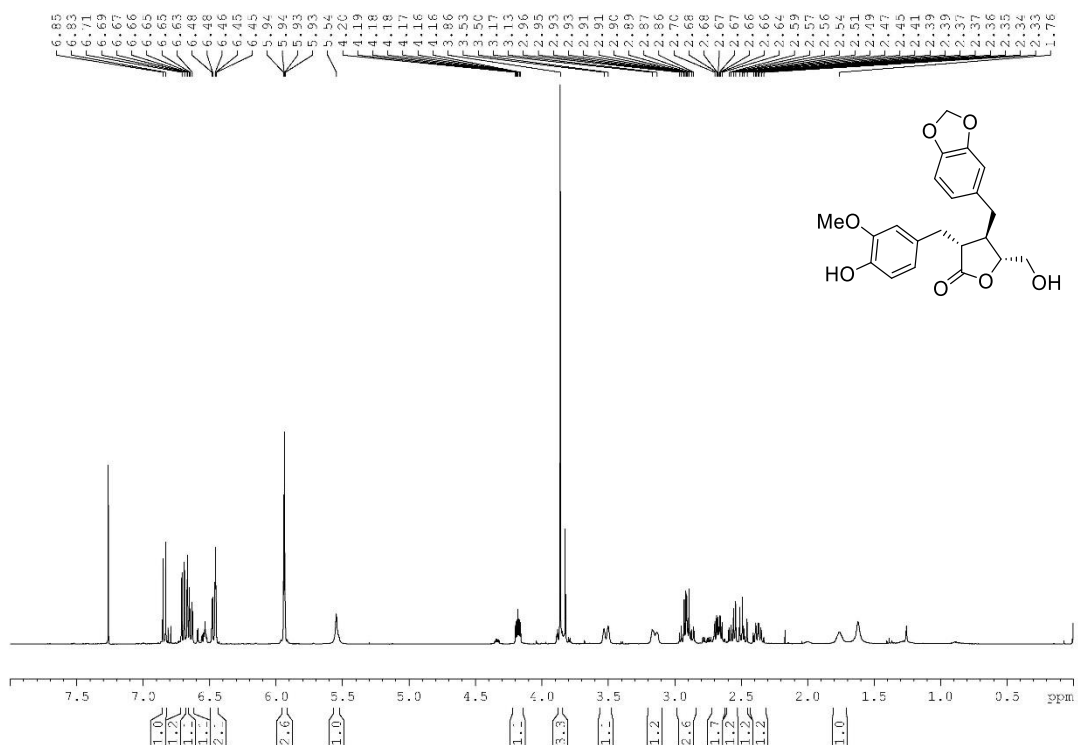
(3*R**,4*R**)-3-(3',4',5'-Trimethoxybenzyl)-4-(3'',4''-methylenedioxybenzyl)-5-(hydroxymethyl) dihydrofuran-2(3*H*)-one **4bc**



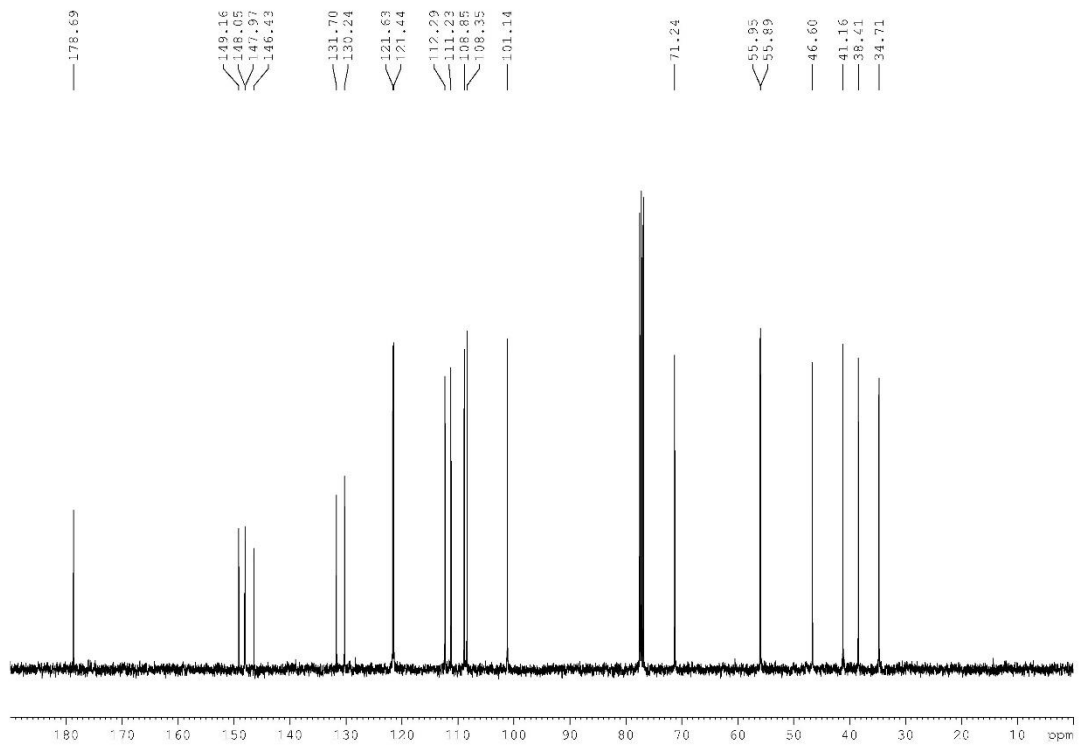
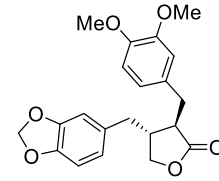
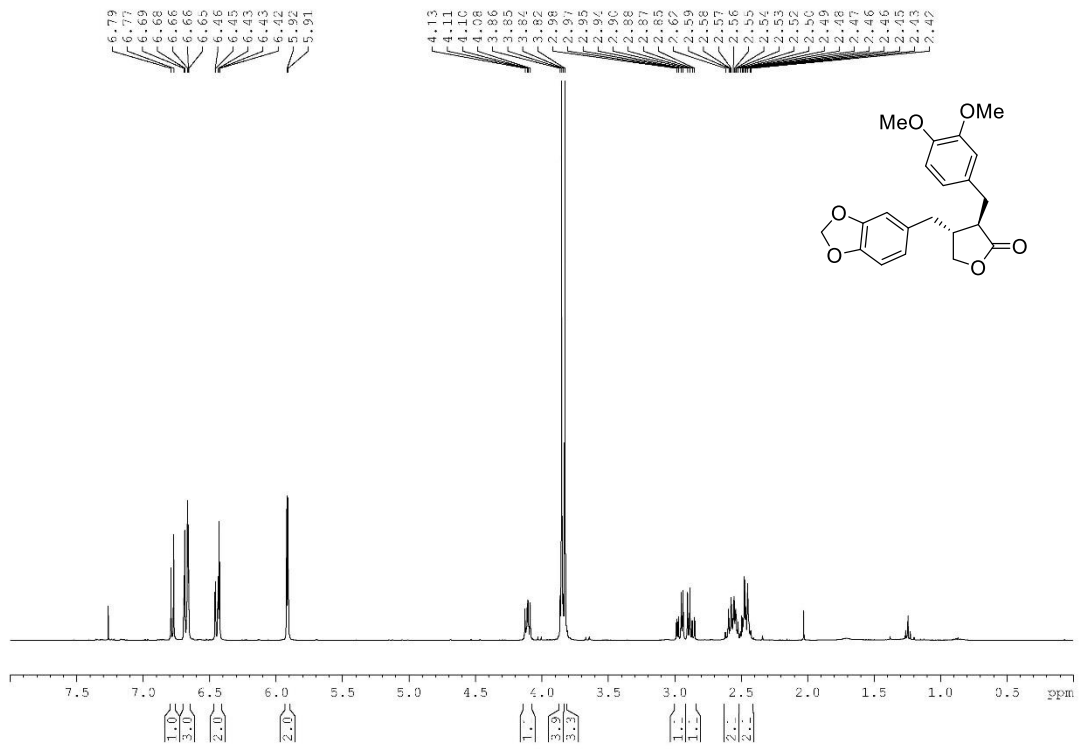
(3*R**,4*R**)-3-(3'-Methoxy-4'-benzyloxybenzyl)-4-(3'',4''-methylenedioxybenzyl)-5-(hydroxymethyl) dihydrofuran-2(3*H*)-one **4bd**



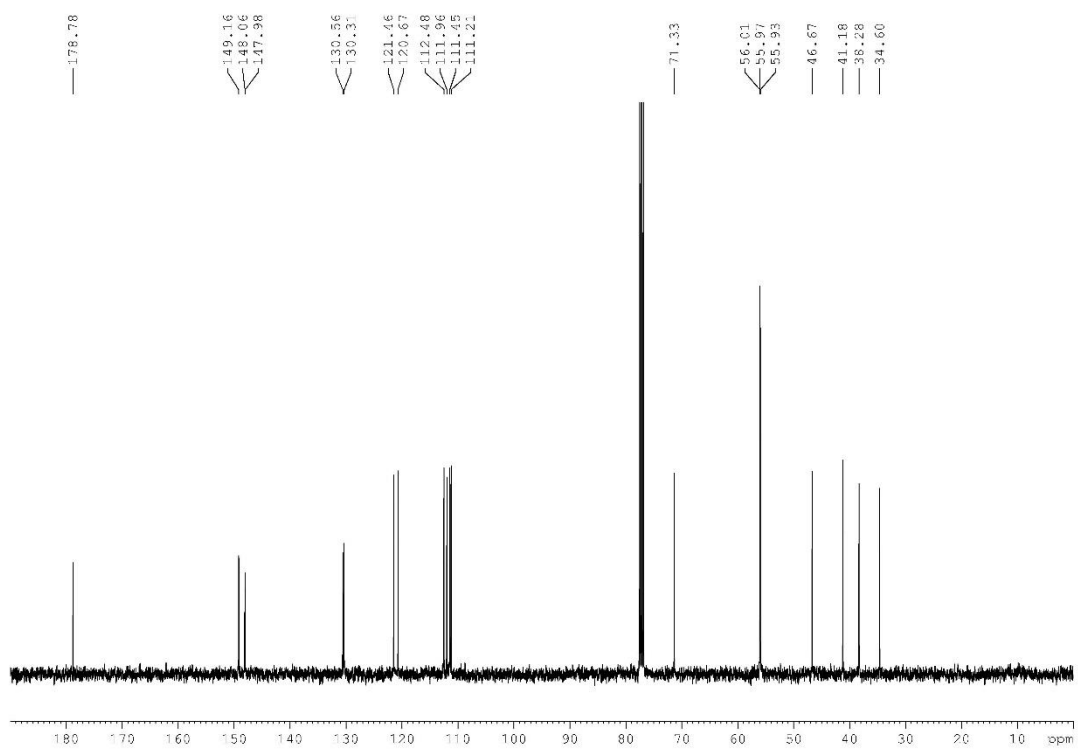
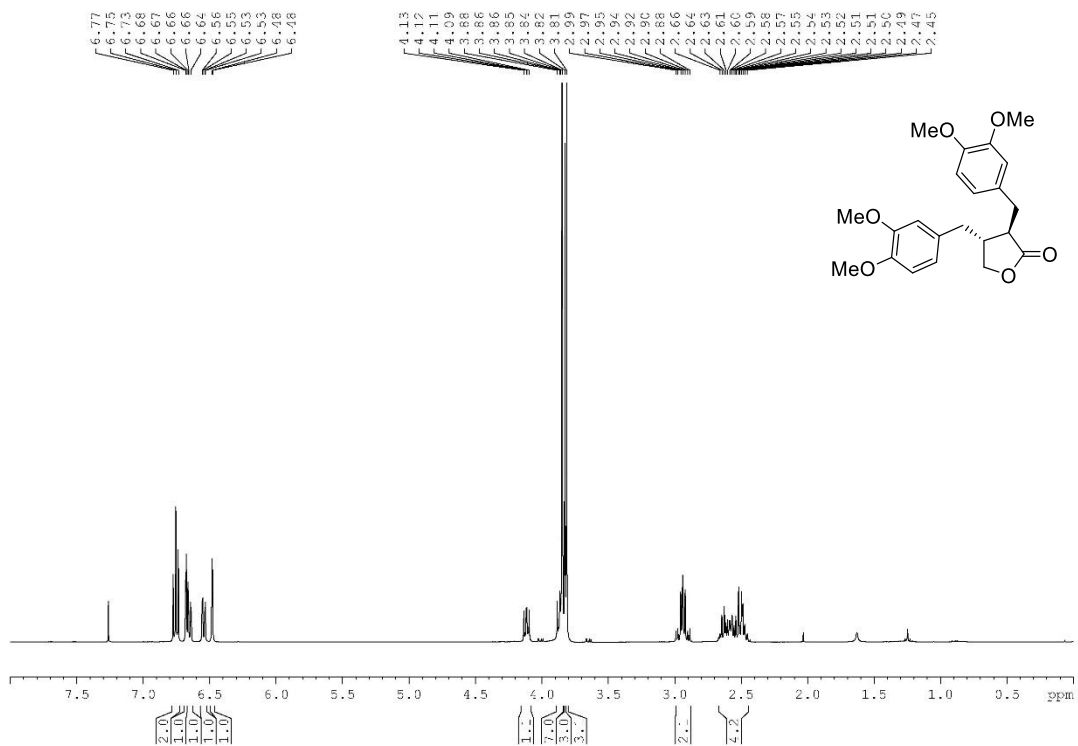
(3*R**,4*R**,5*S**)-4-(3'',4''-Methylenedioxybenzyl)-3-(4'-hydroxy-3'-methoxybenzyl)-5-(hydroxymethyl)dihydrofuran-2(3H)-one **4be**



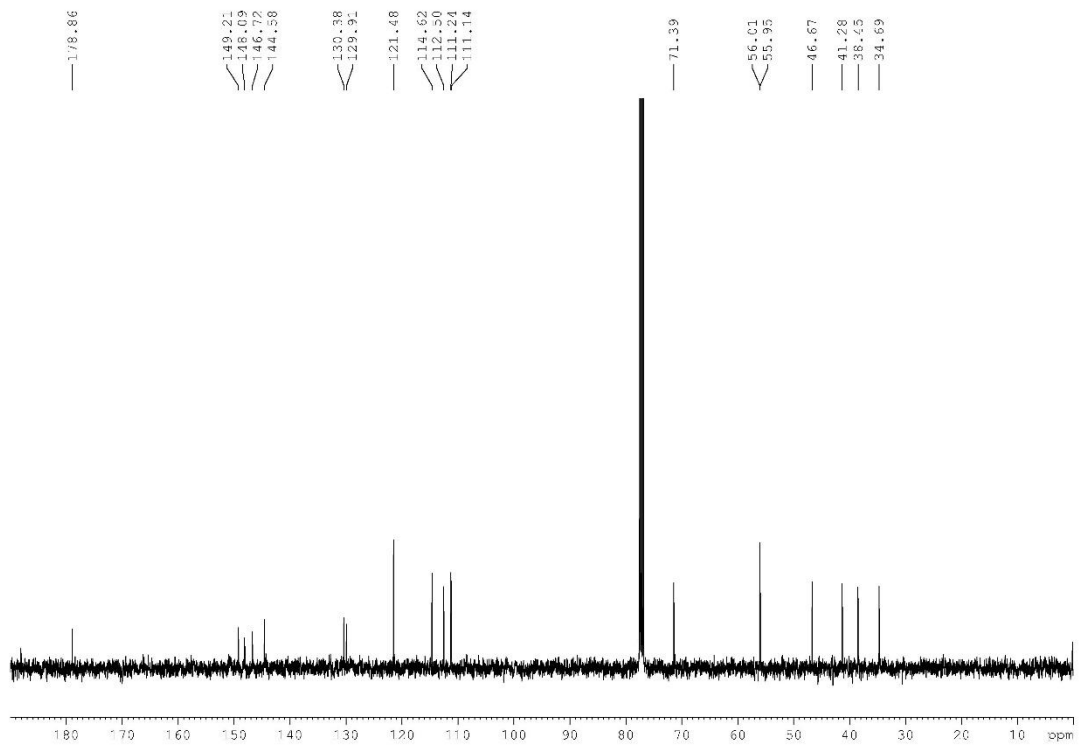
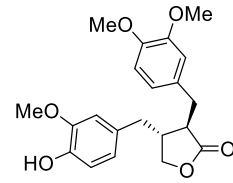
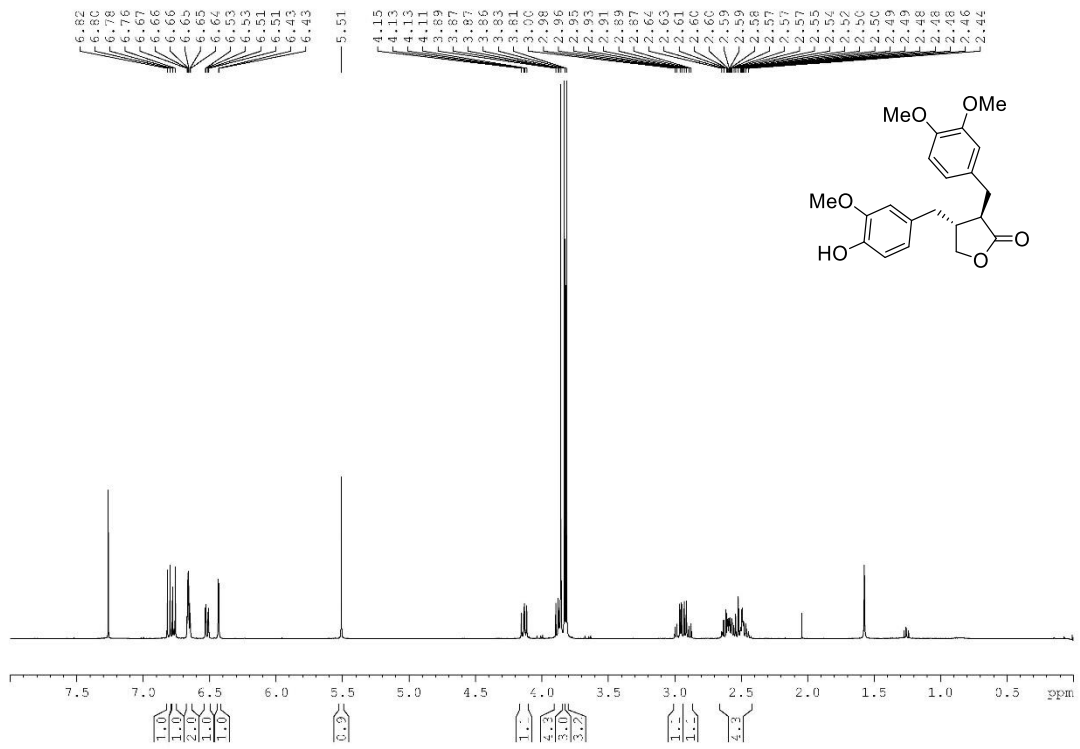
(±)-Bursehernin 1ab



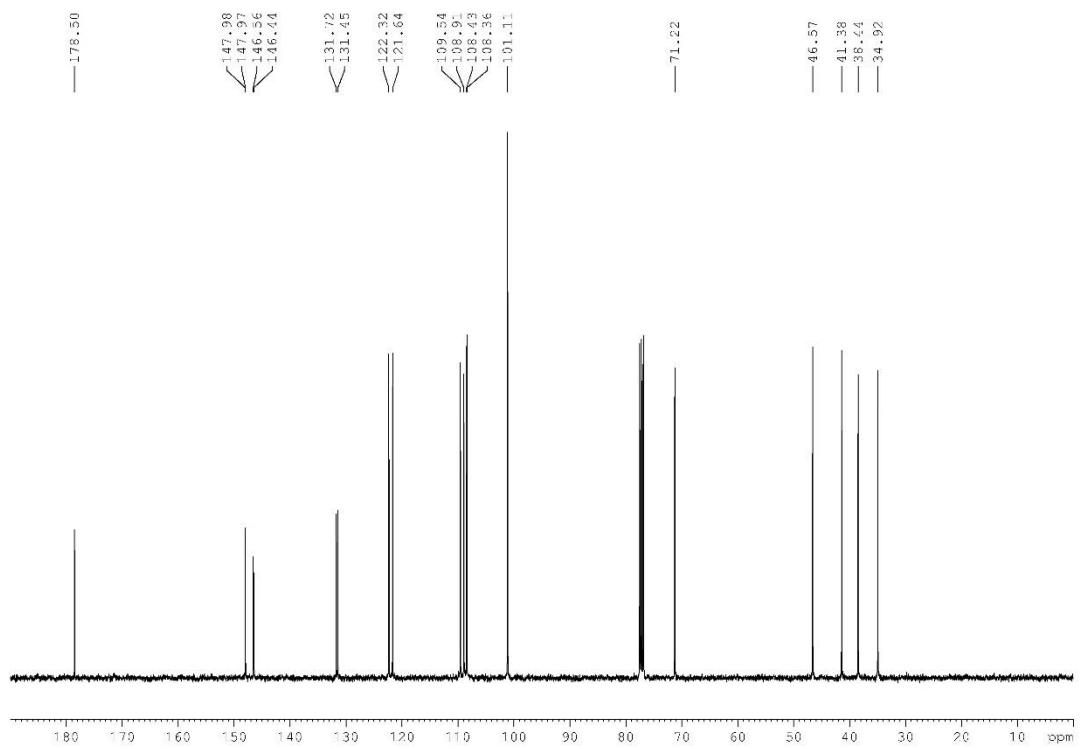
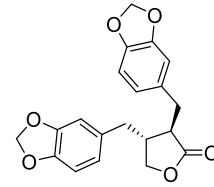
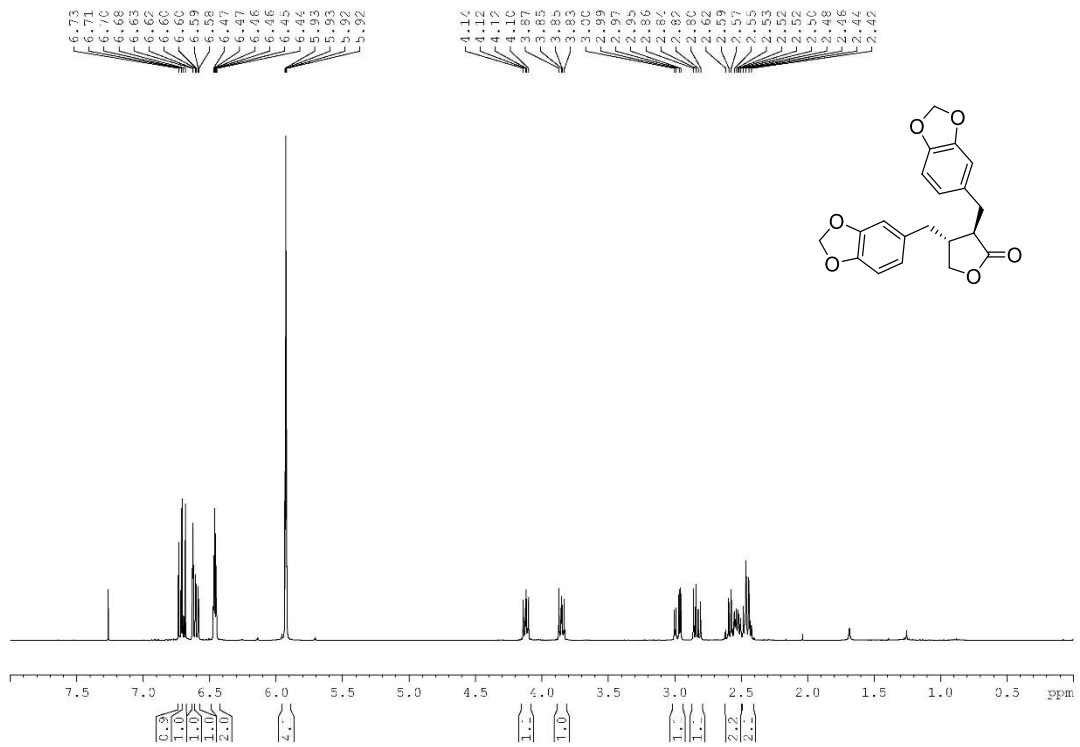
(±)-Arcitin **1aa**



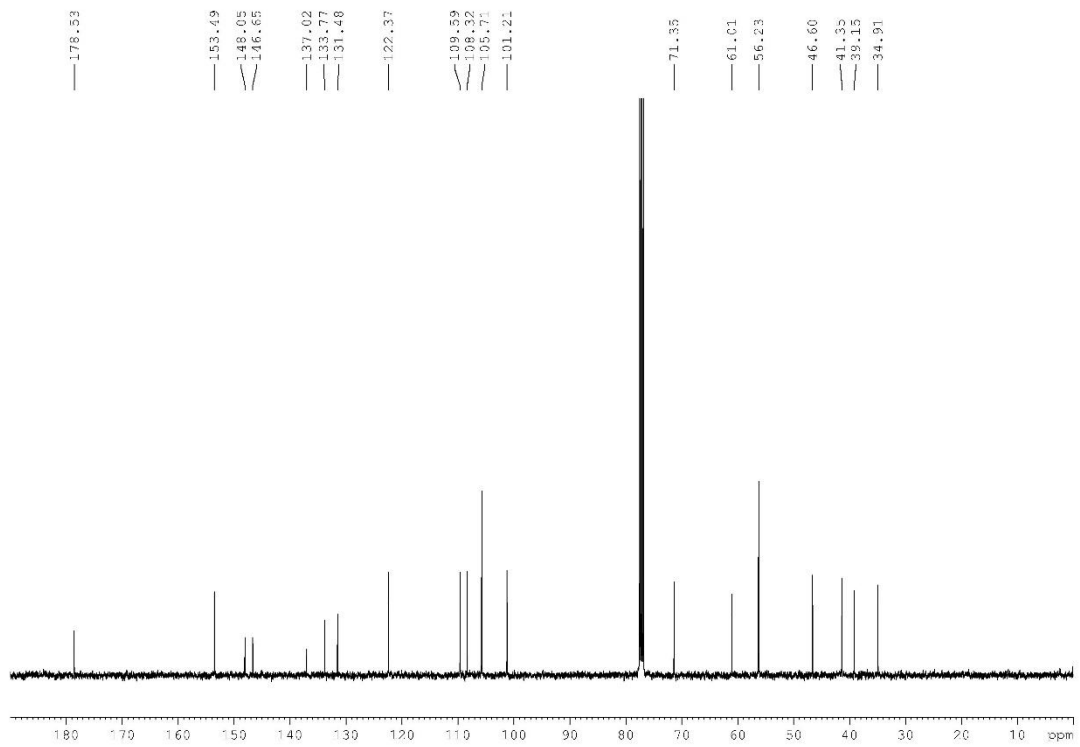
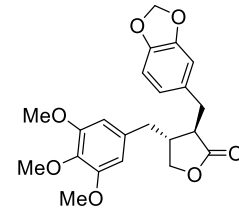
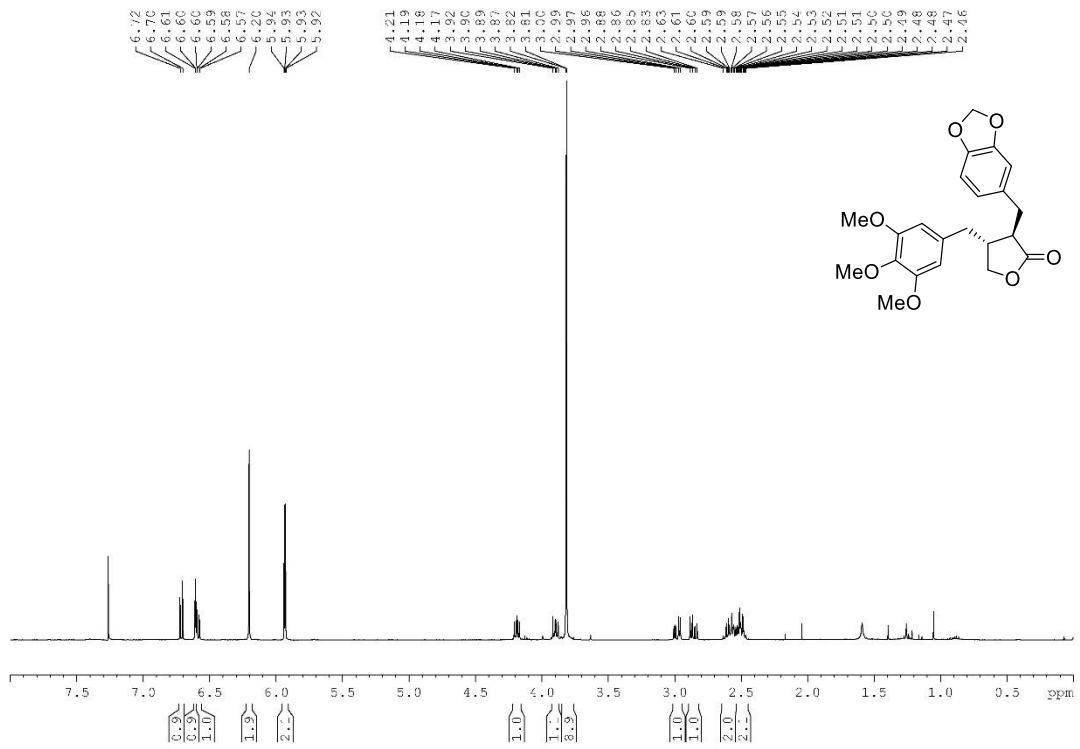
(±)-Buplerol **1ae**



(±)-Hinokinin **1bb**



(±)-Isoyatein 1bc



(±)-4'-O-Benzyl haplomyrfolin **1bd**

