

Supporting Information

Design, synthesis and antibacterial activity evaluation of ebselen derivatives in NDM-1 producing bacteria

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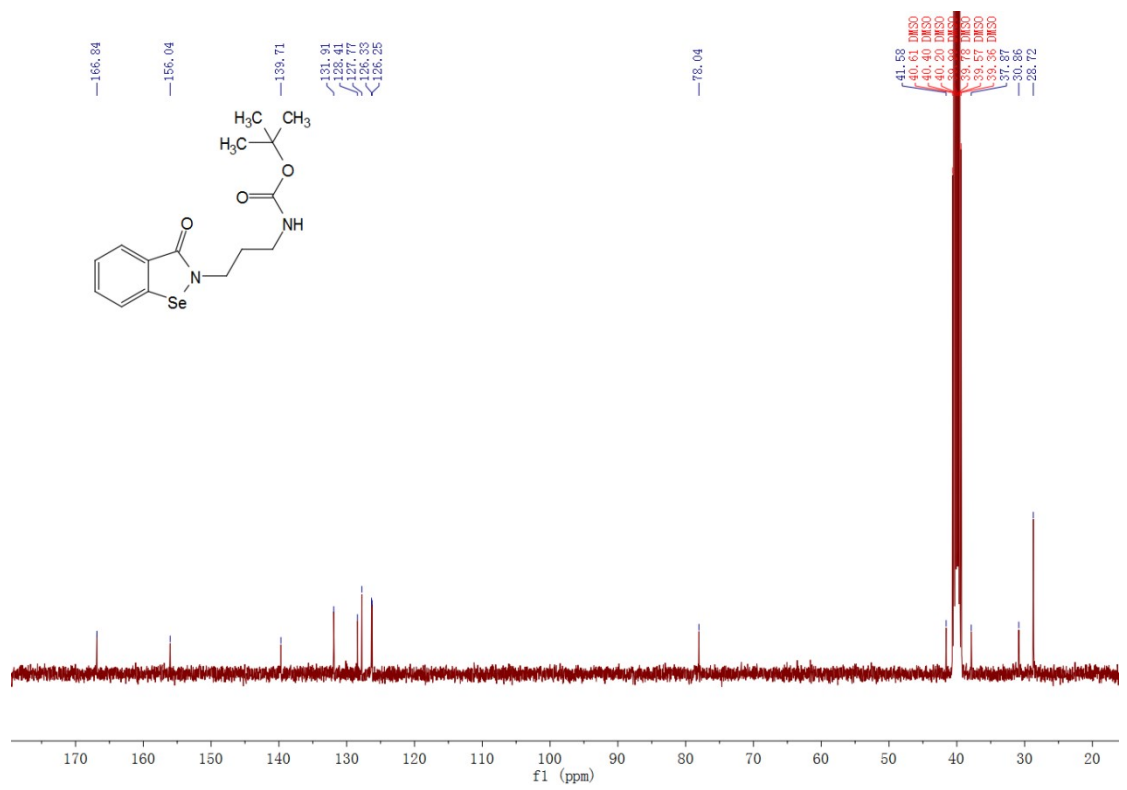
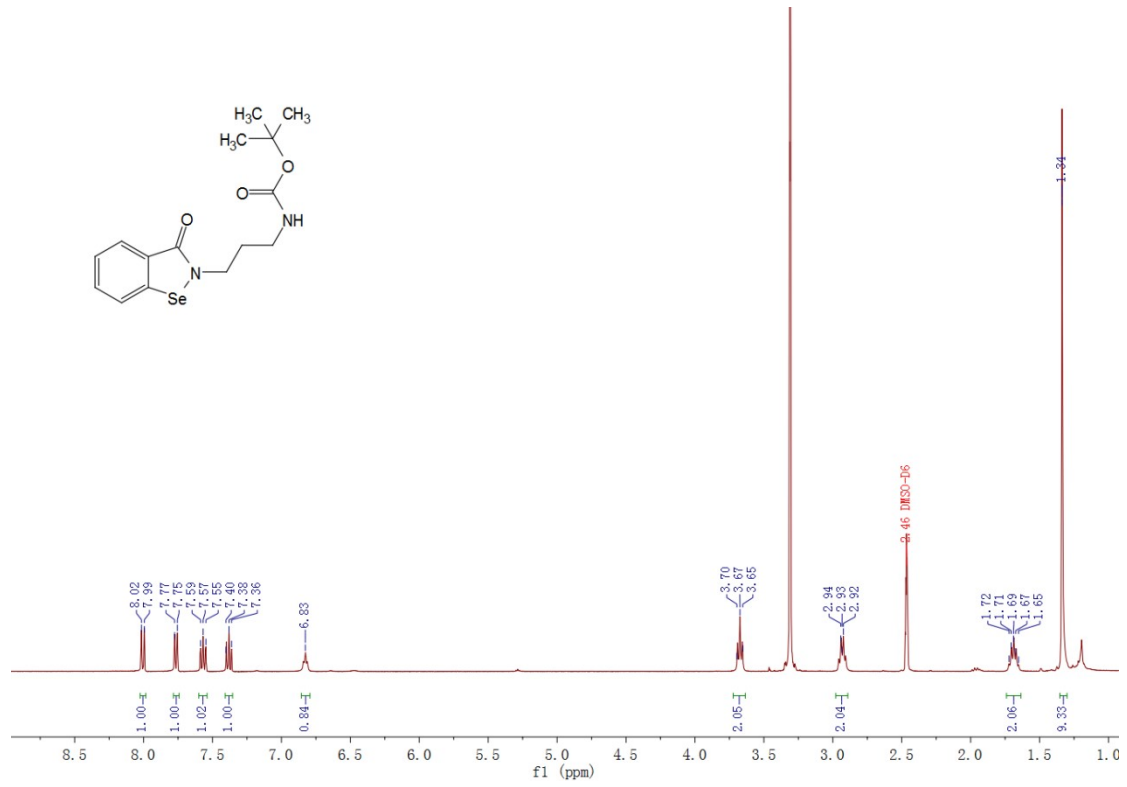
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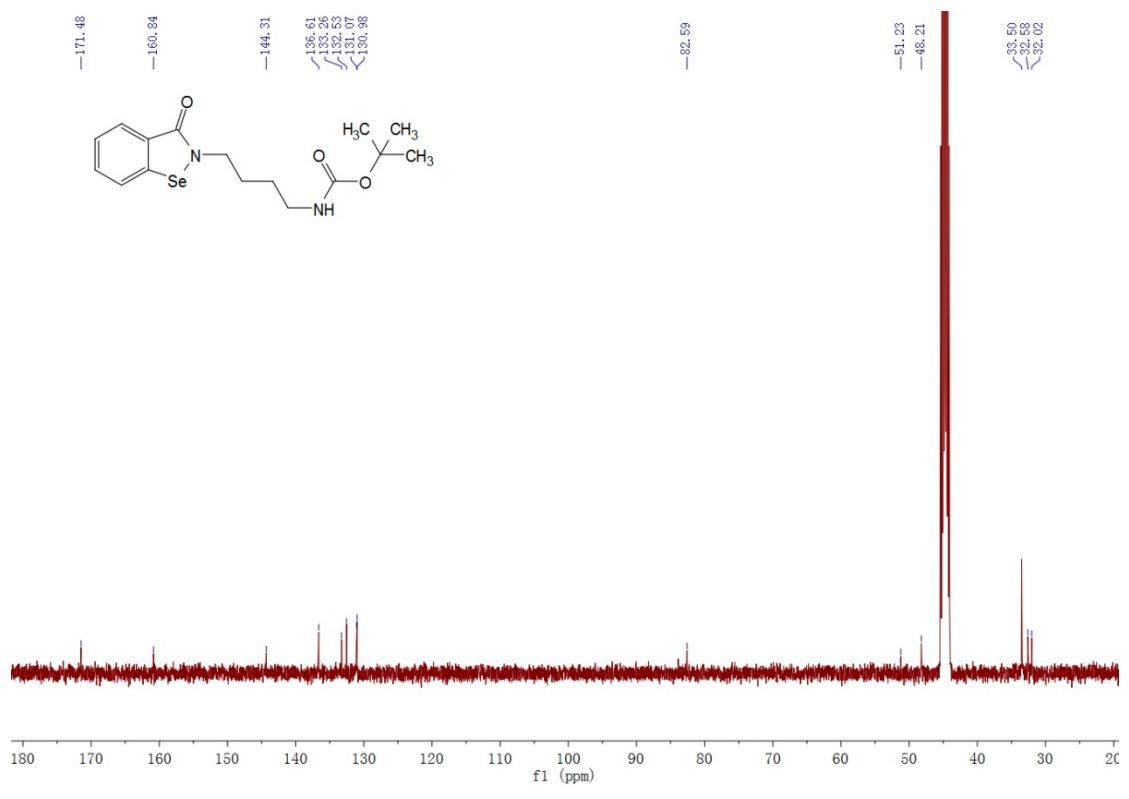
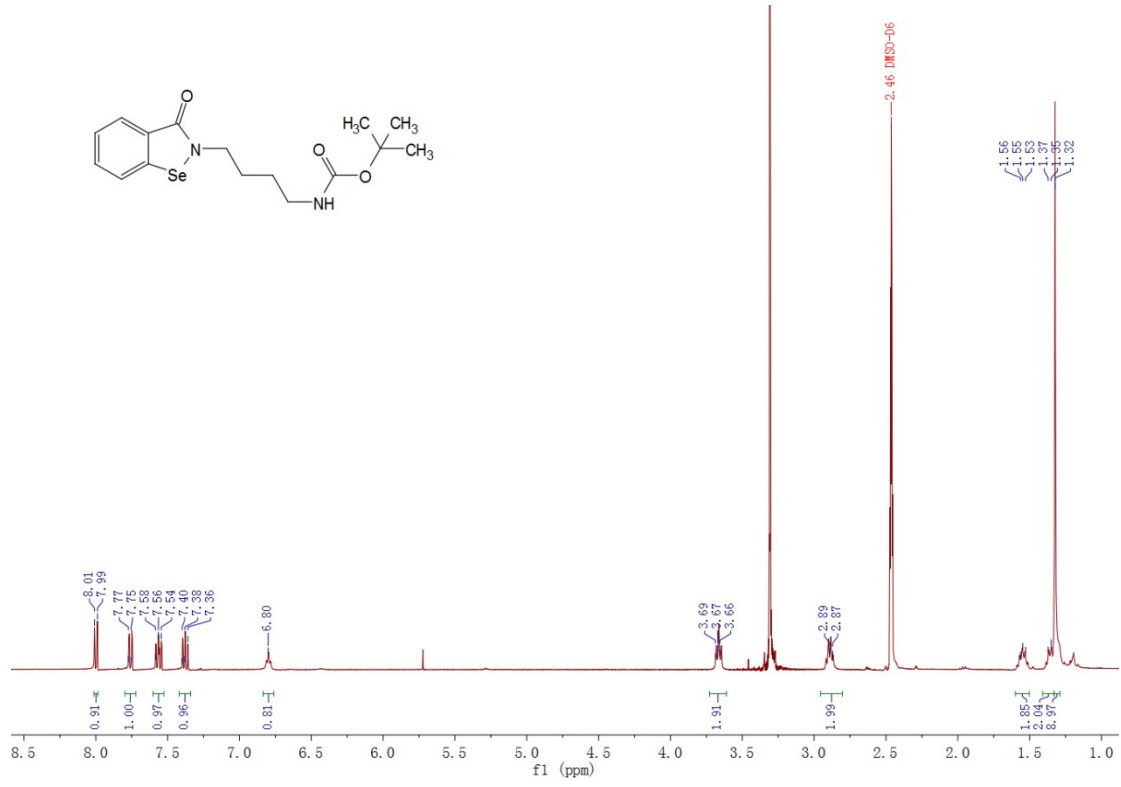
E-mail address: Wandong Liu, 13003083585@163.com

¹ Co-first authors.

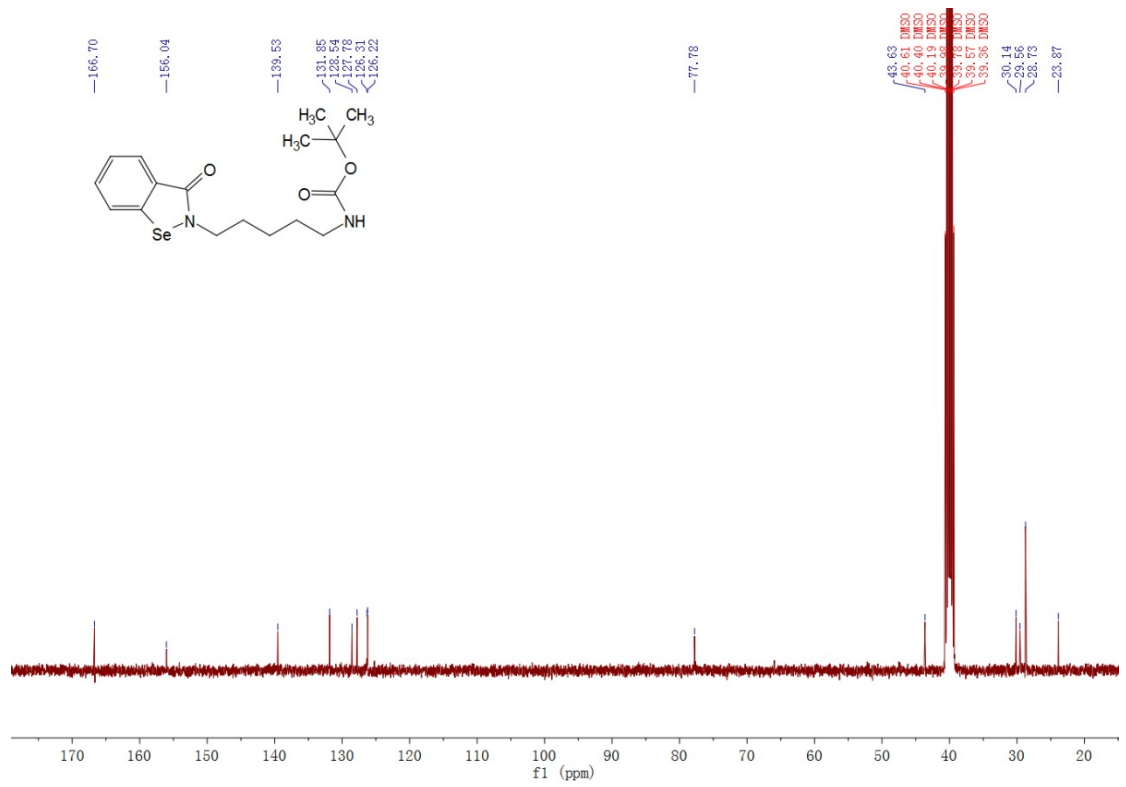
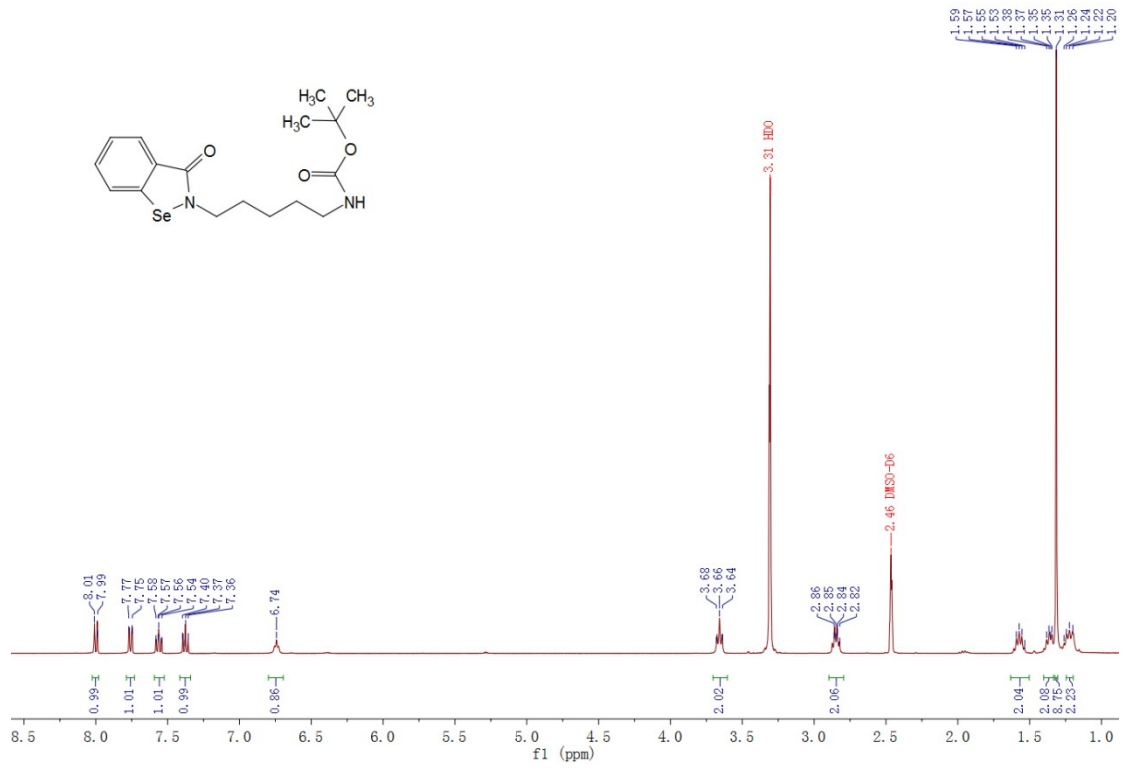
tert-butyl (3-(3-oxobenzo[d][1,2]selenazol-2(3H)-yl)propyl)carbamate (**A1**)



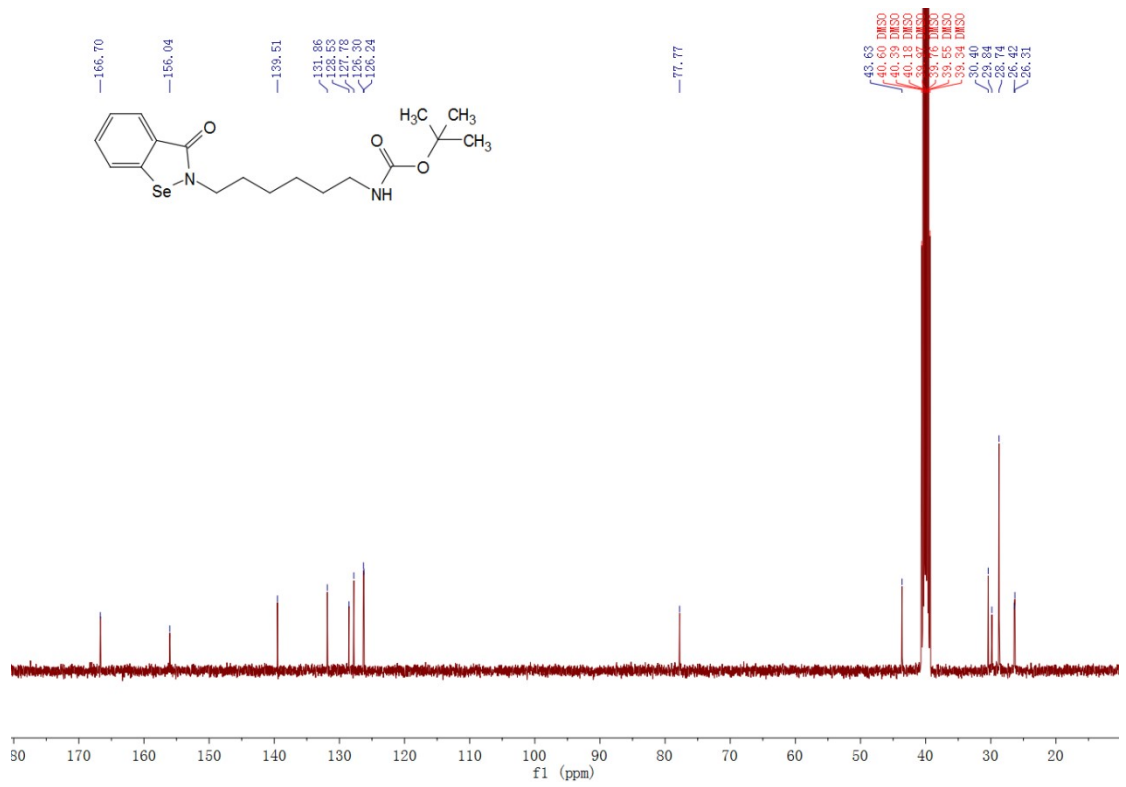
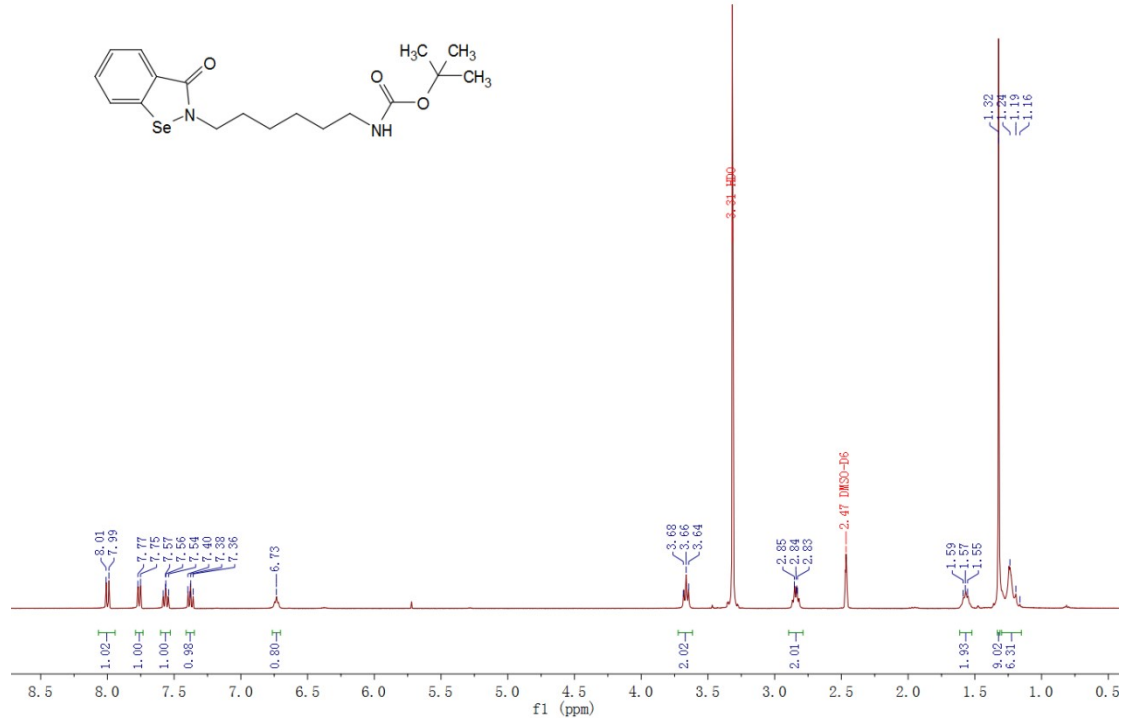
tert-butyl (4-(3-oxobenzod[1,2]selenazol-2(3H)-yl)butyl)carbamate (A2)



tert-butyl (5-(3-oxobenzod[1,2]selenazol-2(3H)-yl)amyl)carbamate (**A3**)

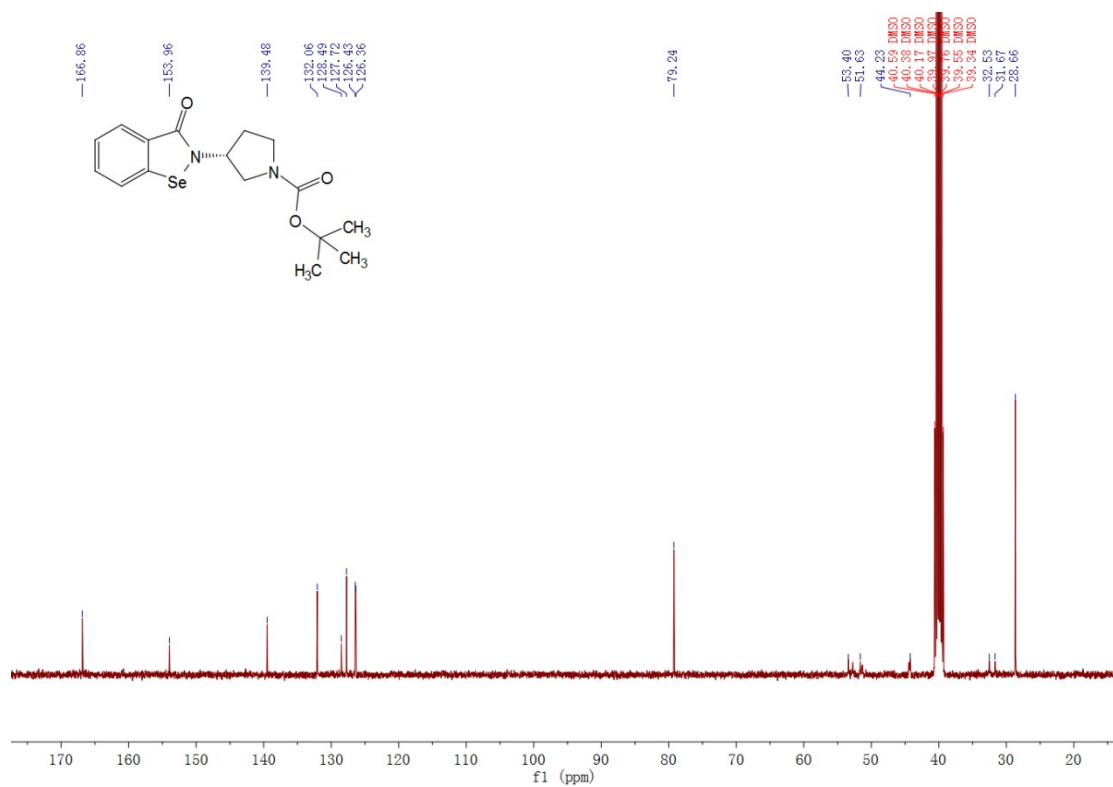
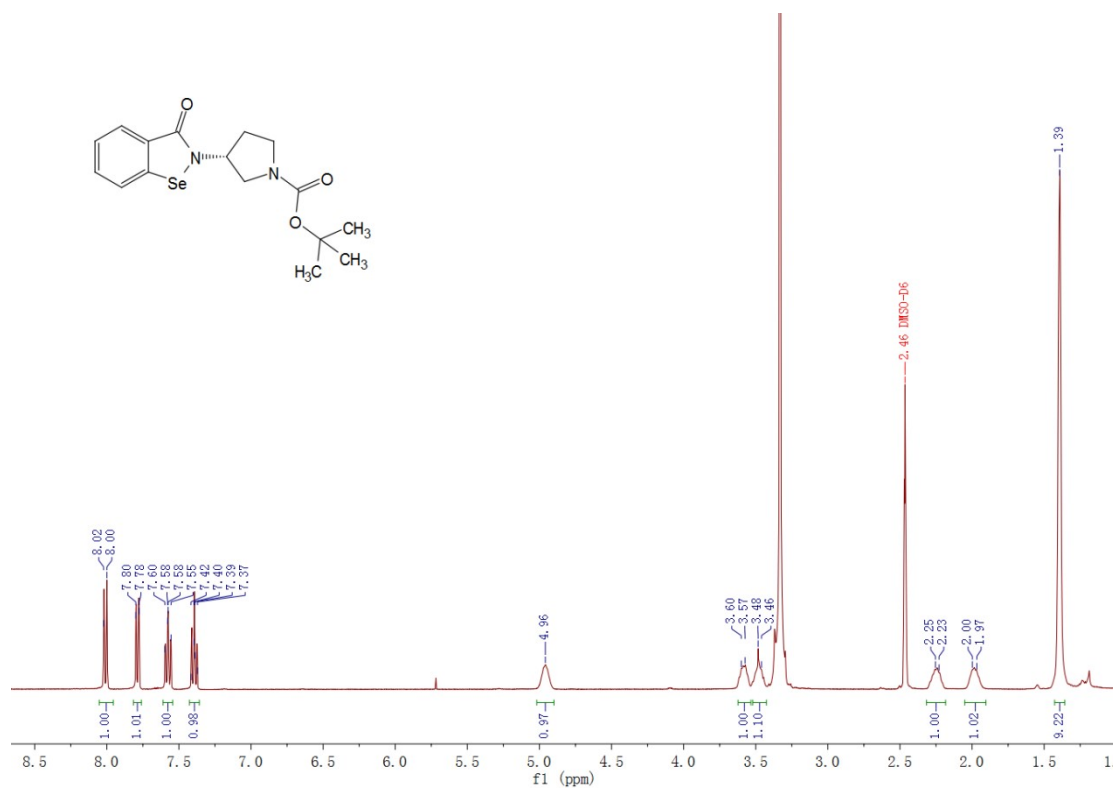


tert-butyl (6-(3-oxobenzod[1,2]selenazol-2(3H)-yl)hexyl)carbamate (**A4**)

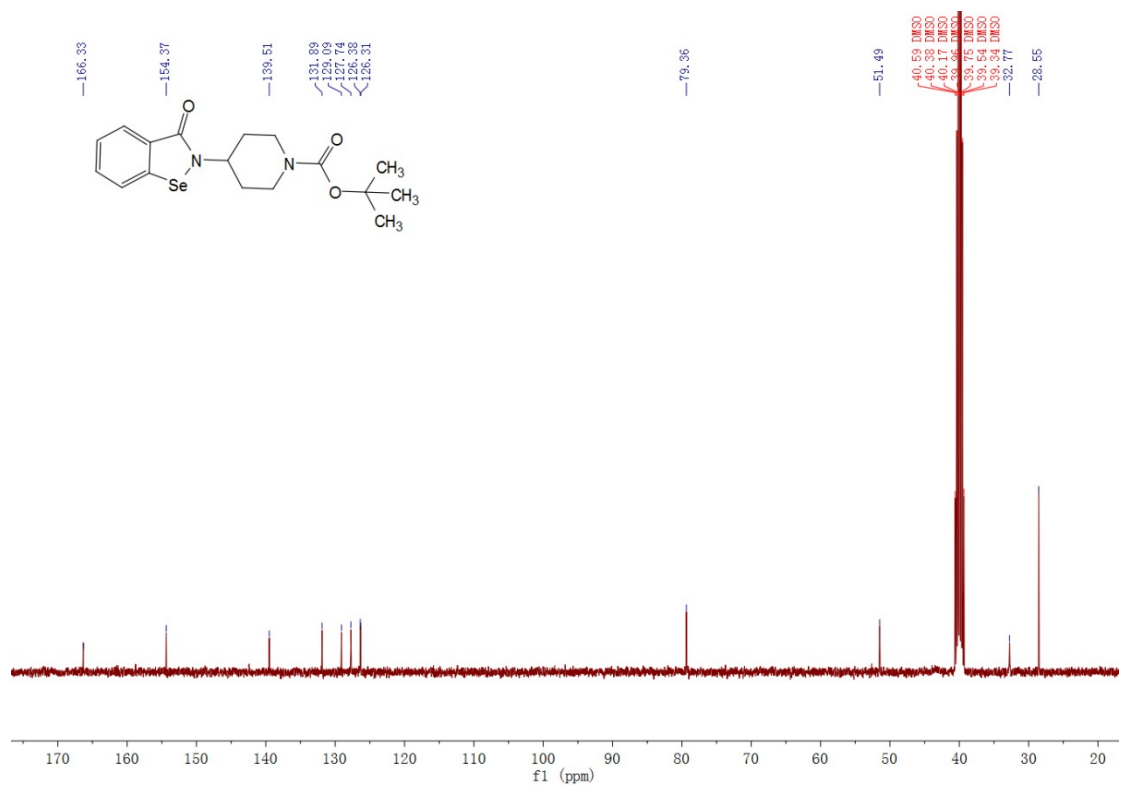
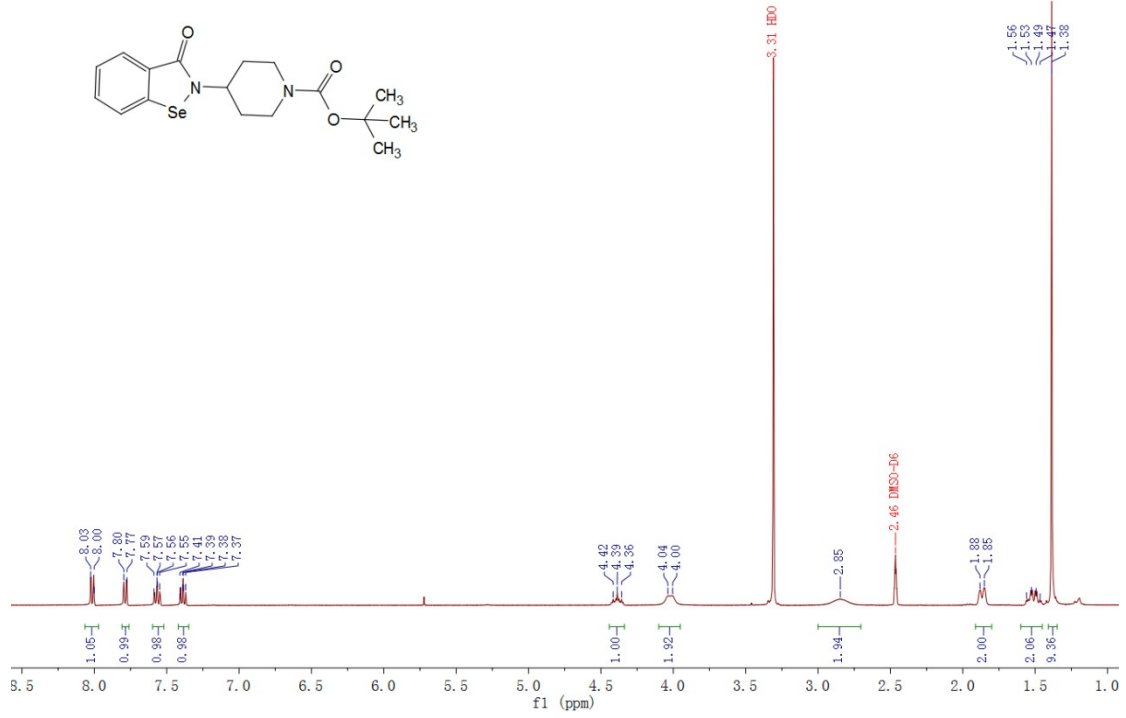


(R)-tert-butyl-3-(3-oxobenzo[d][1,2]selenazol-2(3H)-yl)pyrrolidine-1-carboxylate

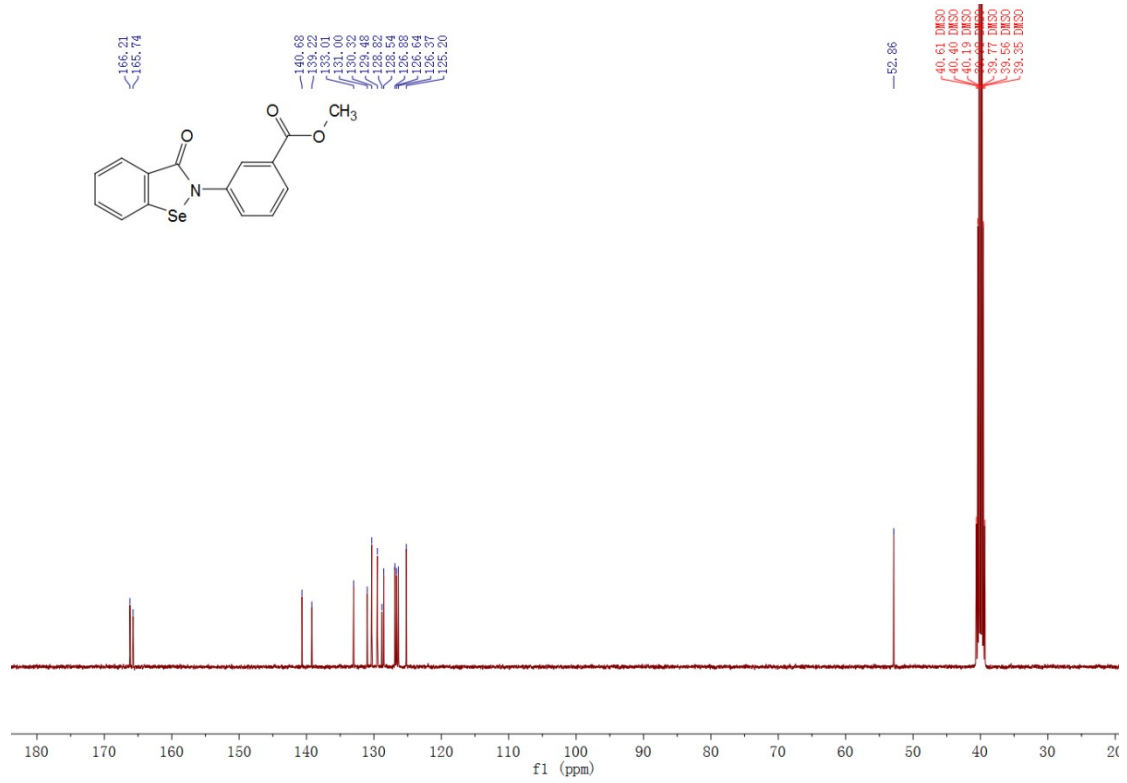
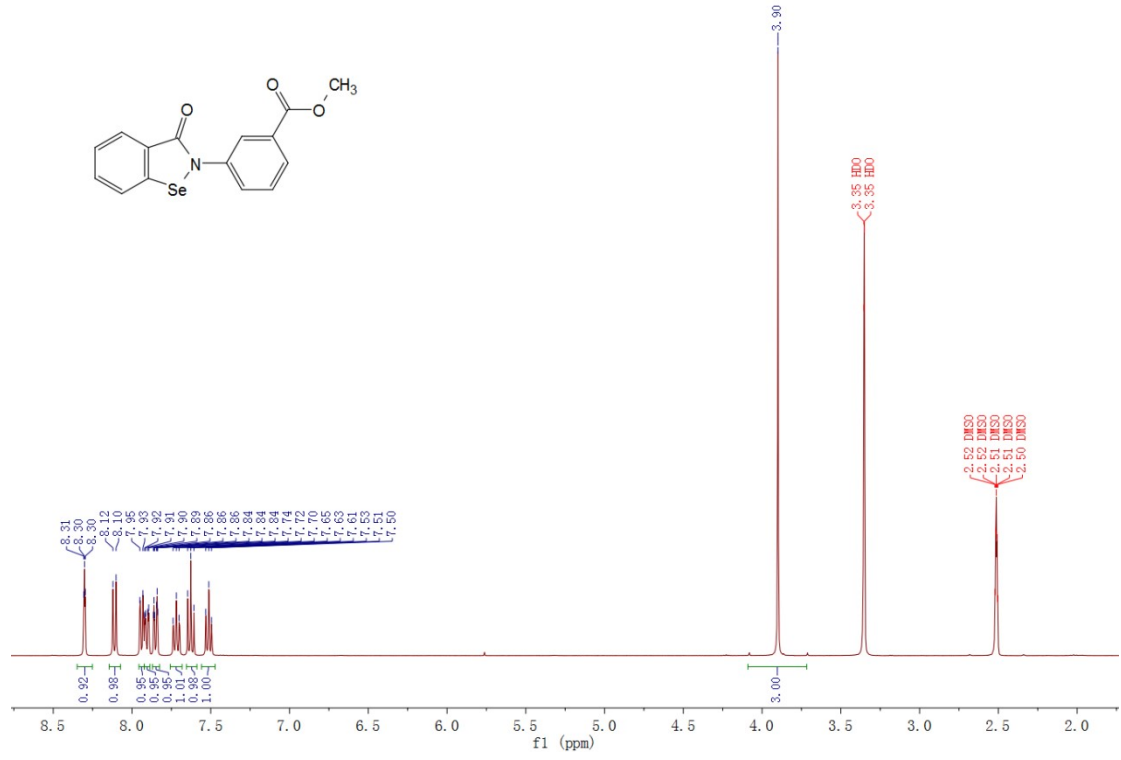
(A5)



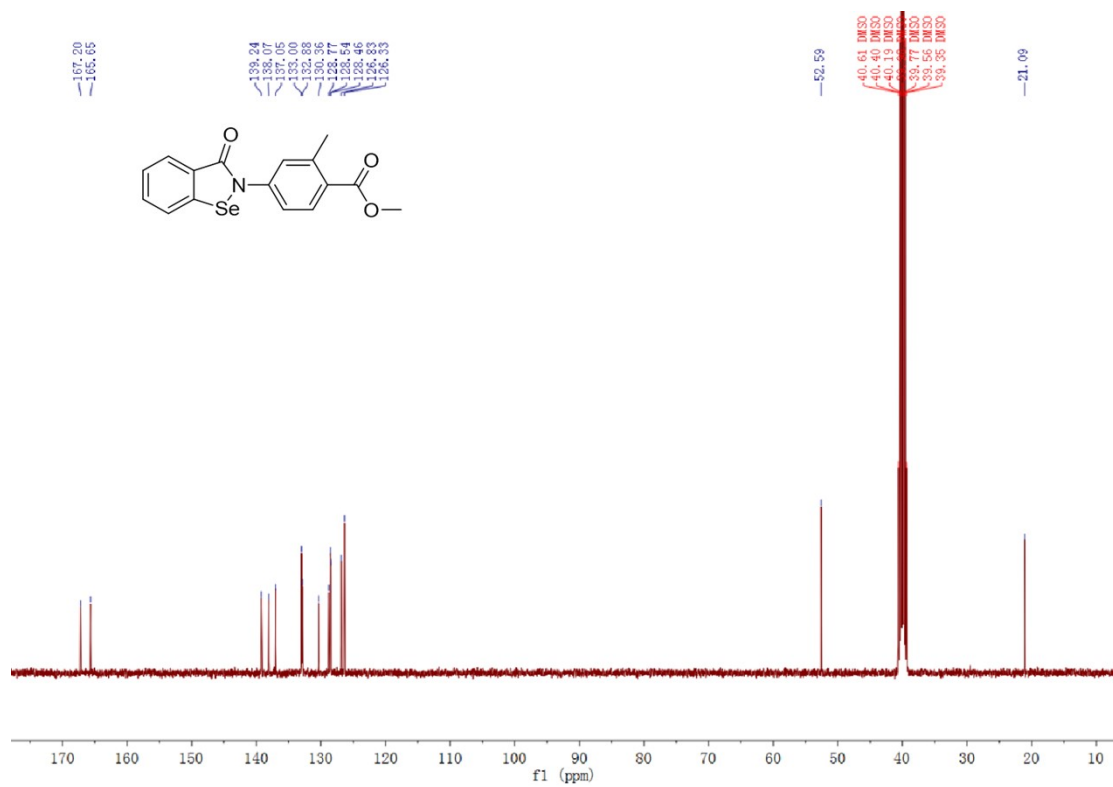
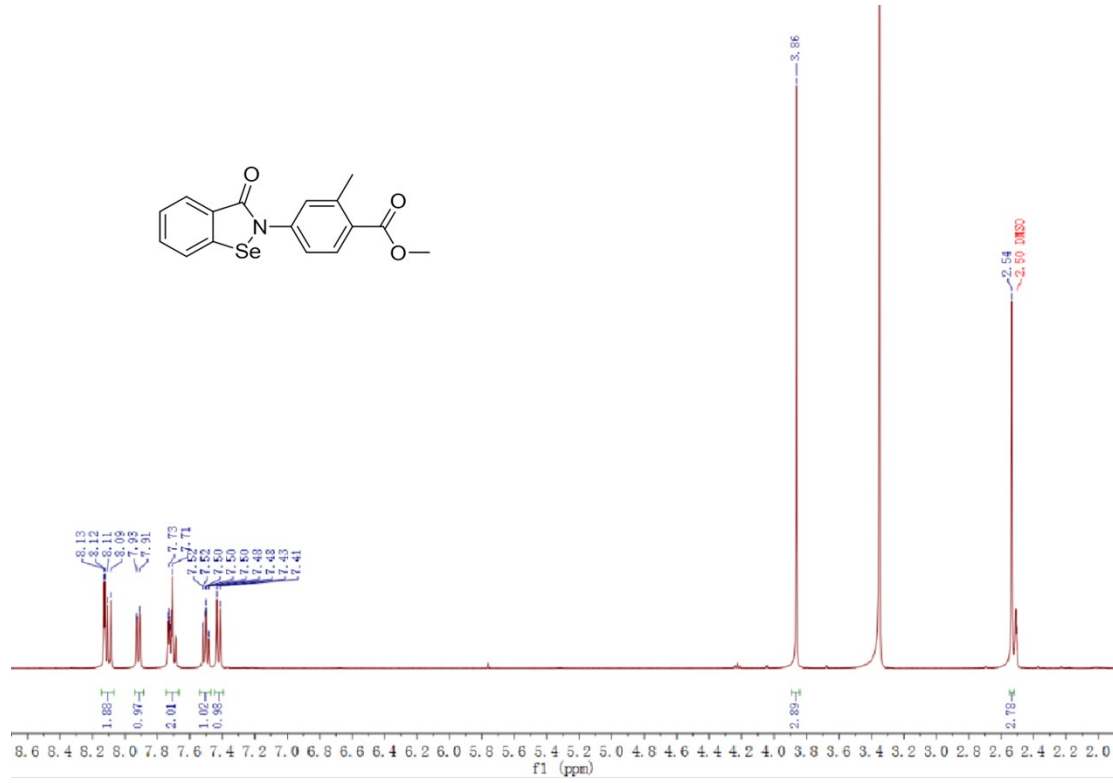
tert-butyl 4-(3-oxobenzod[1,2]selenazol-2(3H)-yl)piperidine-1-carboxylate (**A6**)



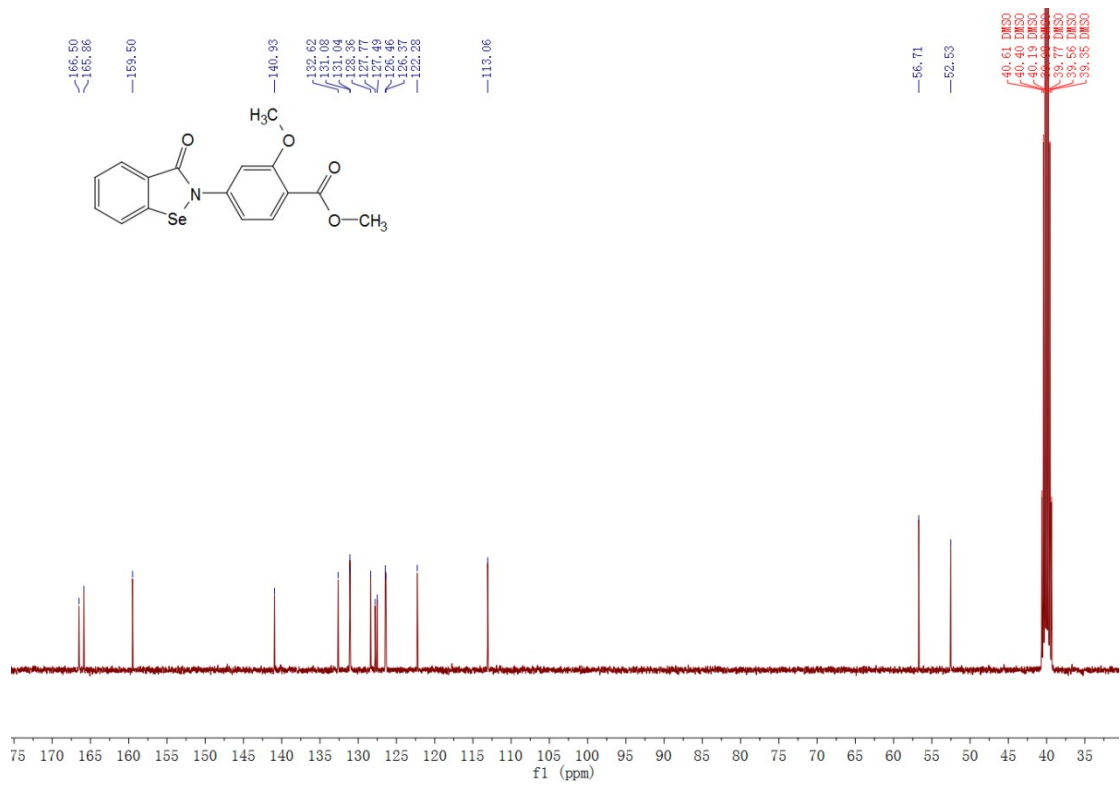
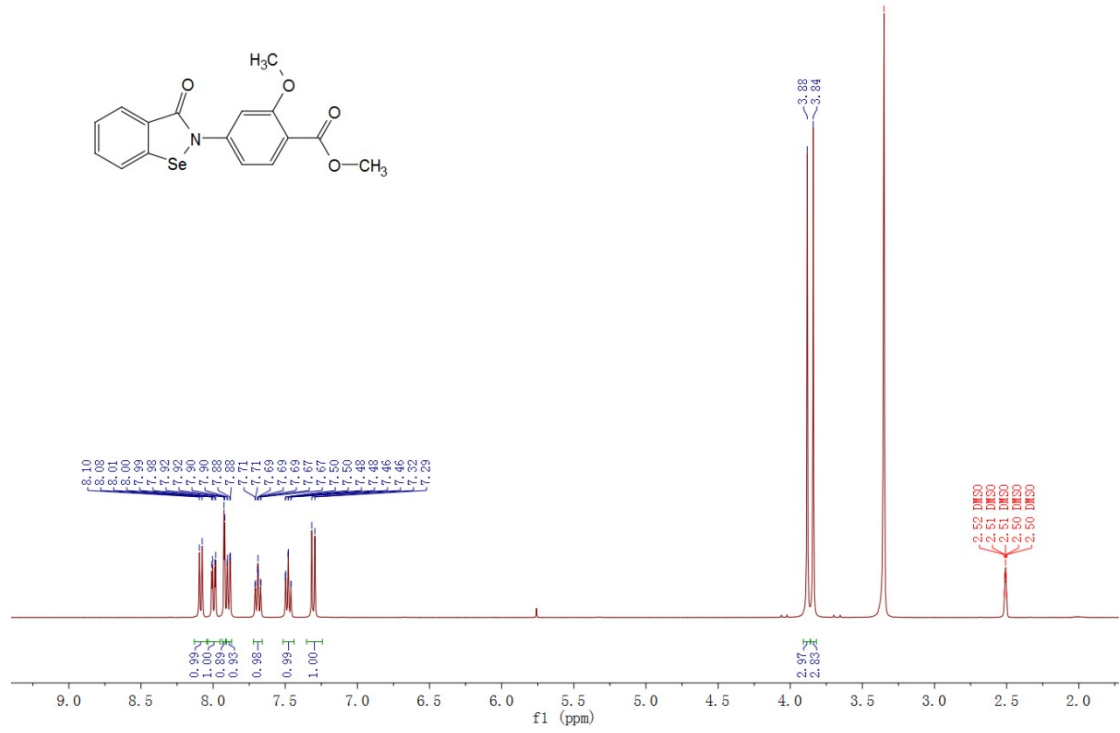
methyl 3-(3-oxobenzod[1,2]selenazol-2(3H)-yl)benzoate (A7)



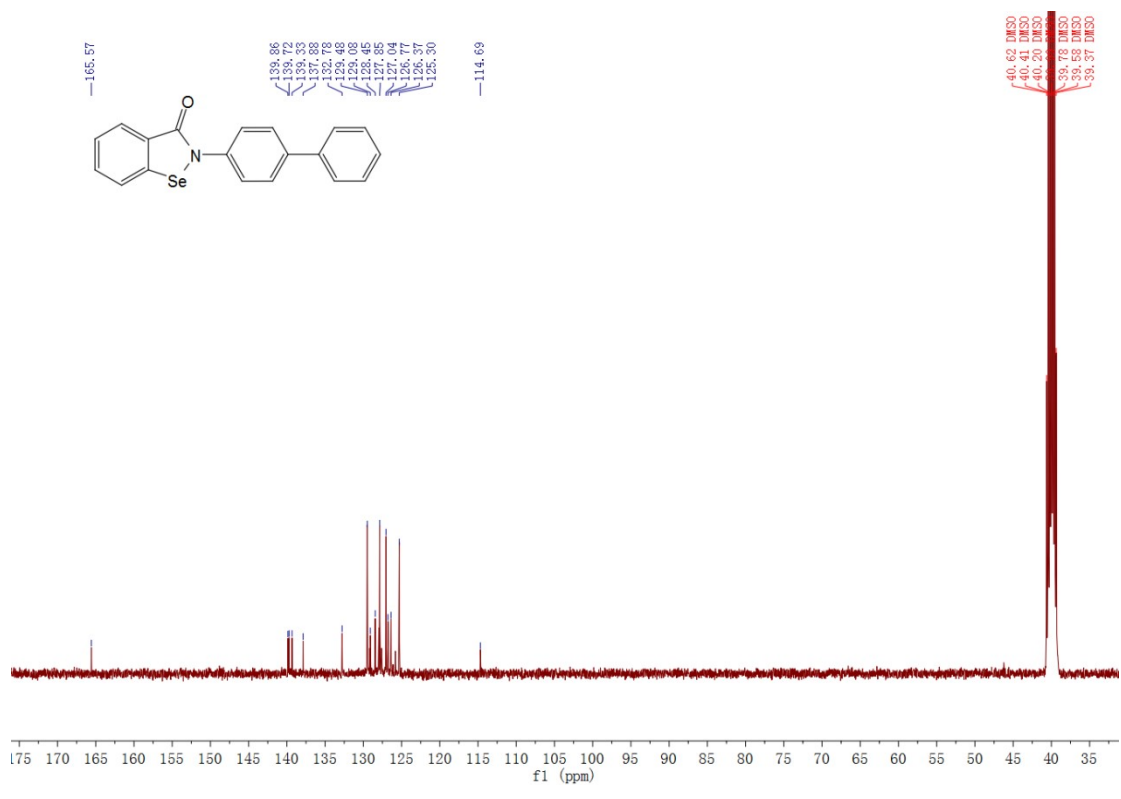
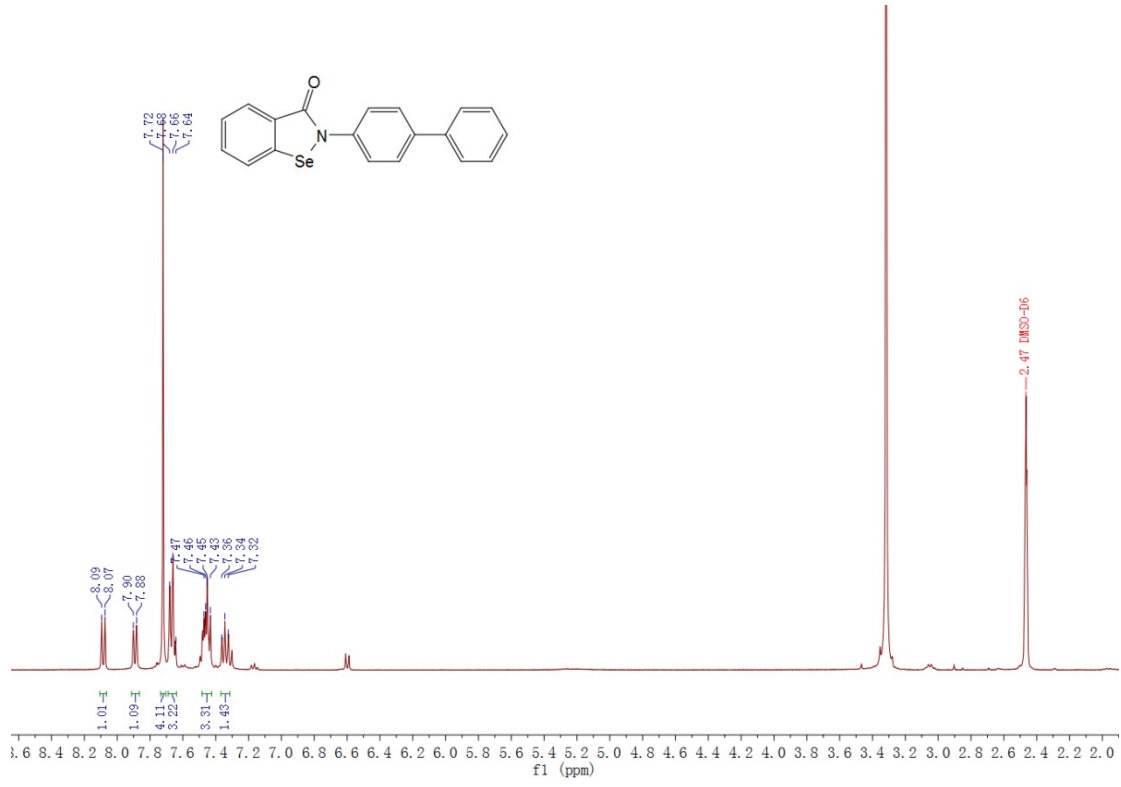
methyl 2-methyl-4-(3-oxobenzodiselenazol-2(3H)-yl)benzoate (A8)



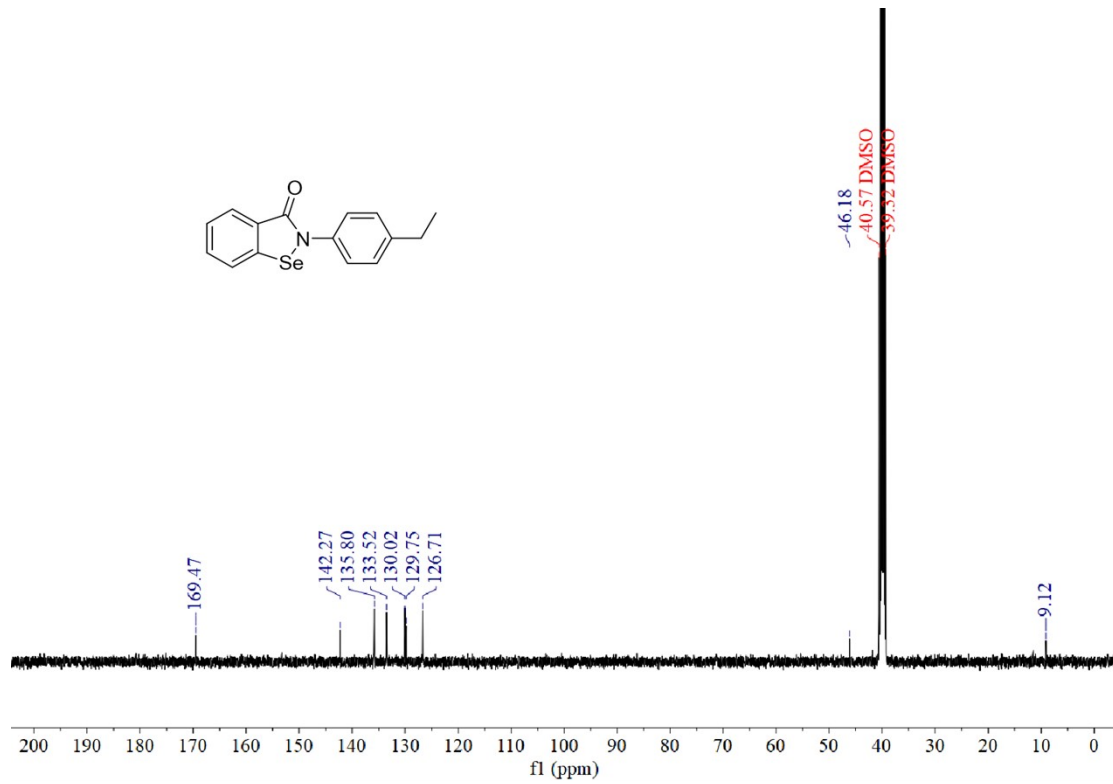
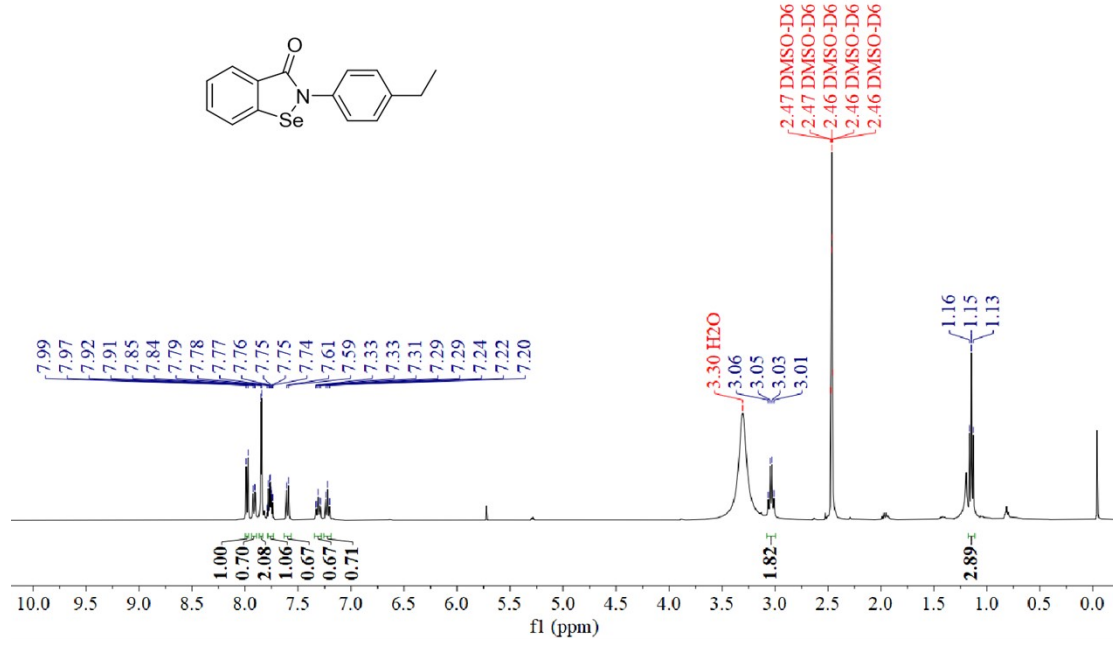
methyl 2-methoxy-4-(3-oxobenzod[1,2]selenazol-2(3H)-yl)benzoate (A9)



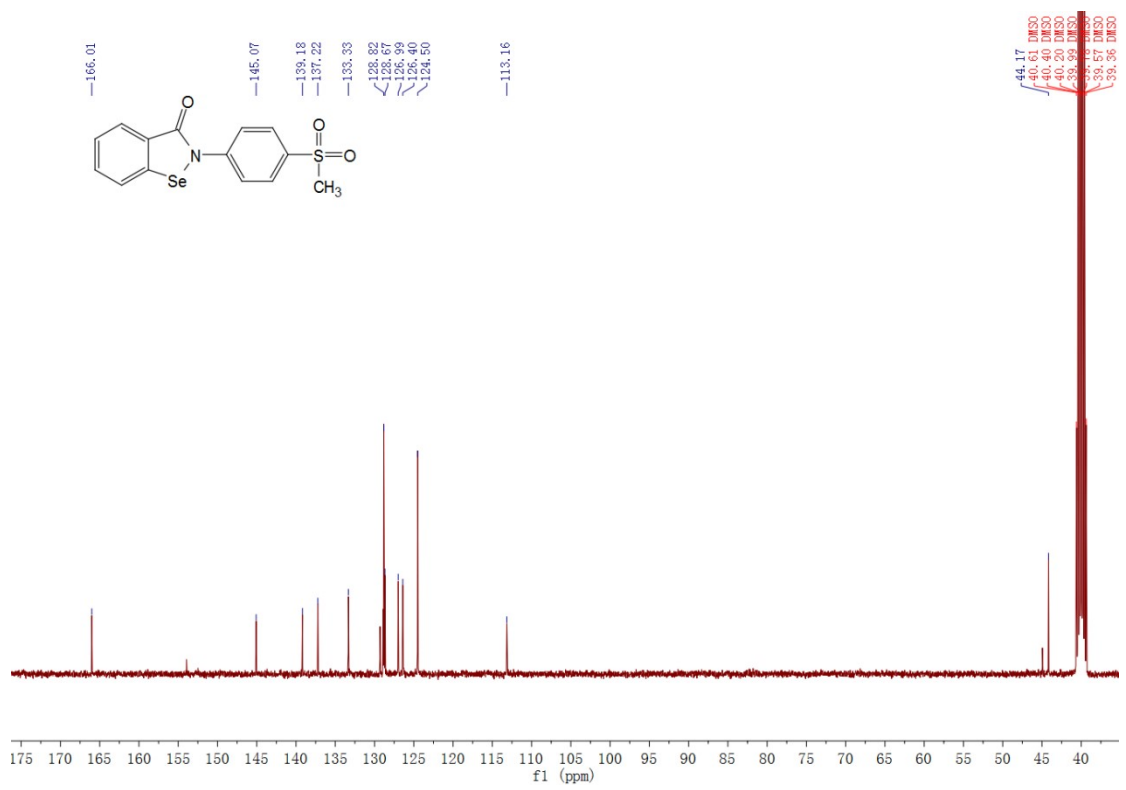
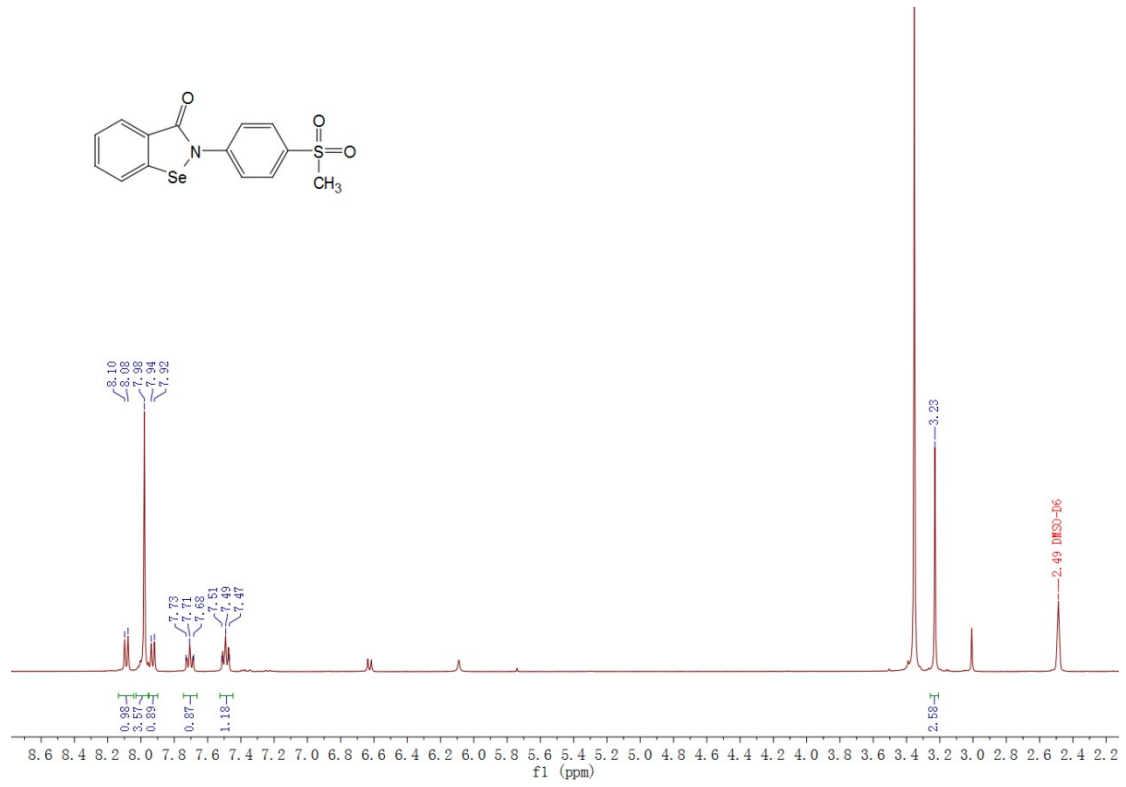
2-([1,1'-biphenyl]-4-yl)benzo[d][1,2]selenazol-3(2H)-one (A10)



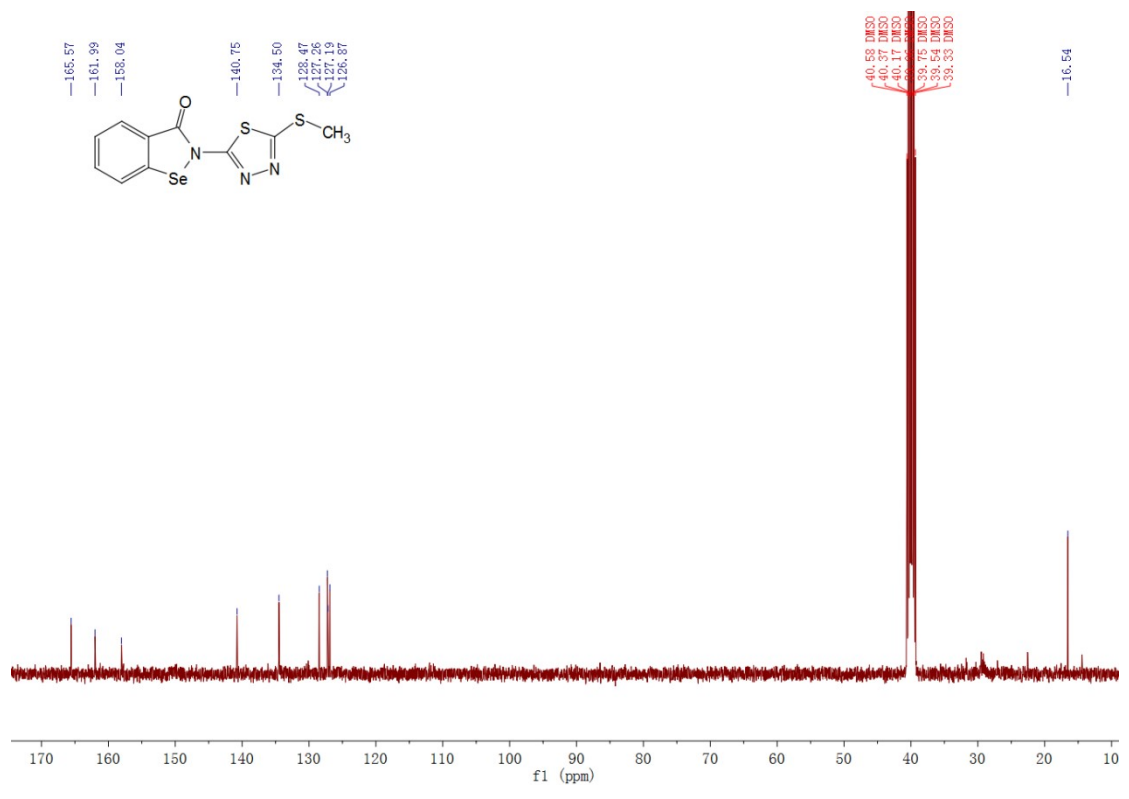
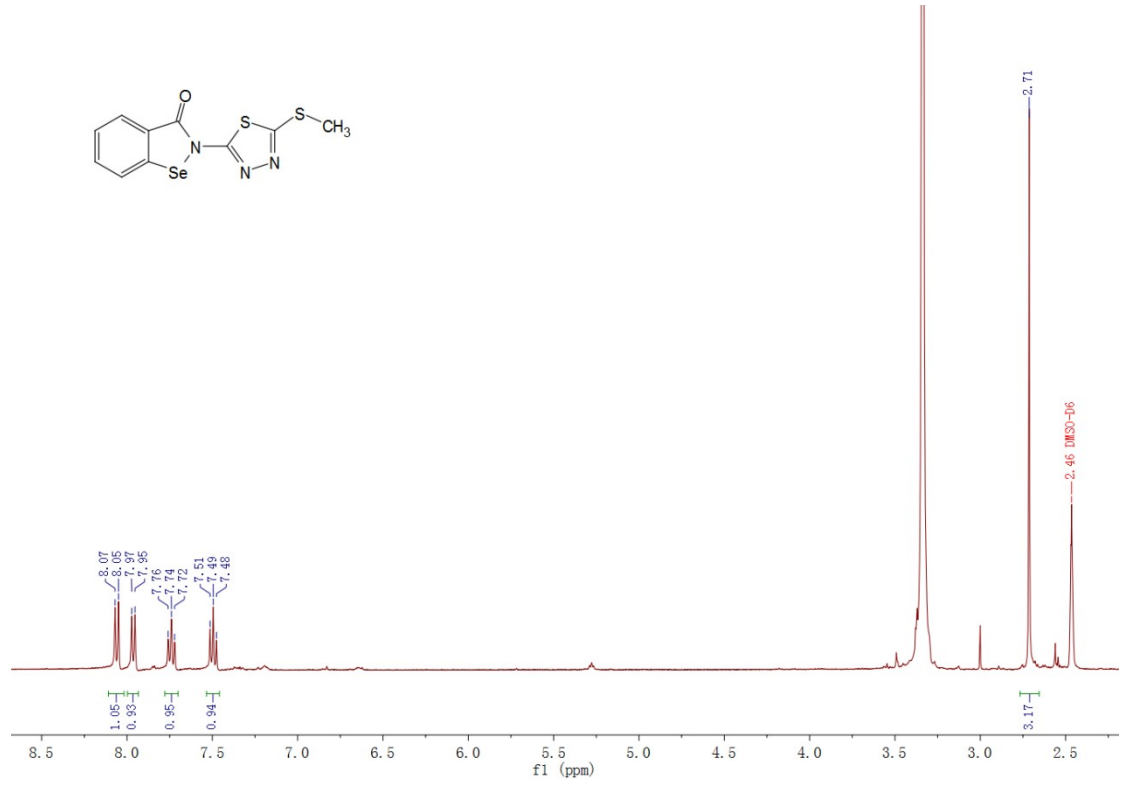
2-(4-ethylphenyl)benzo[d][1,2]selenazol-3(2H)-one (A11)



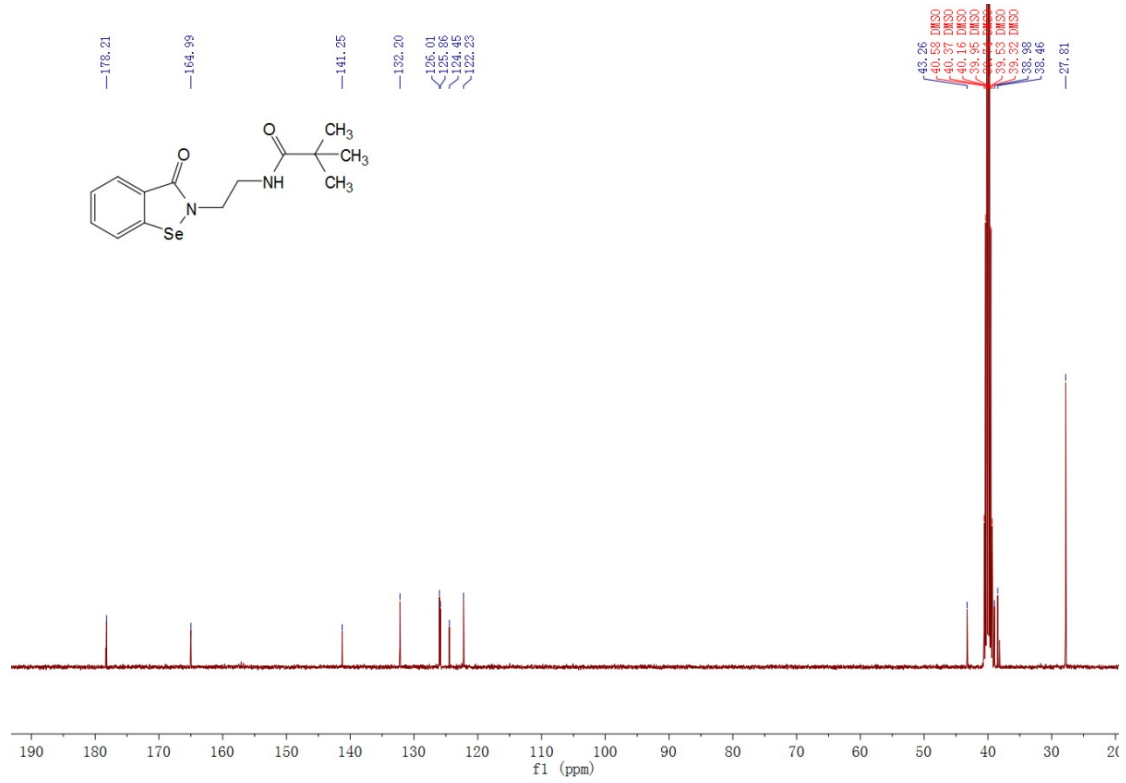
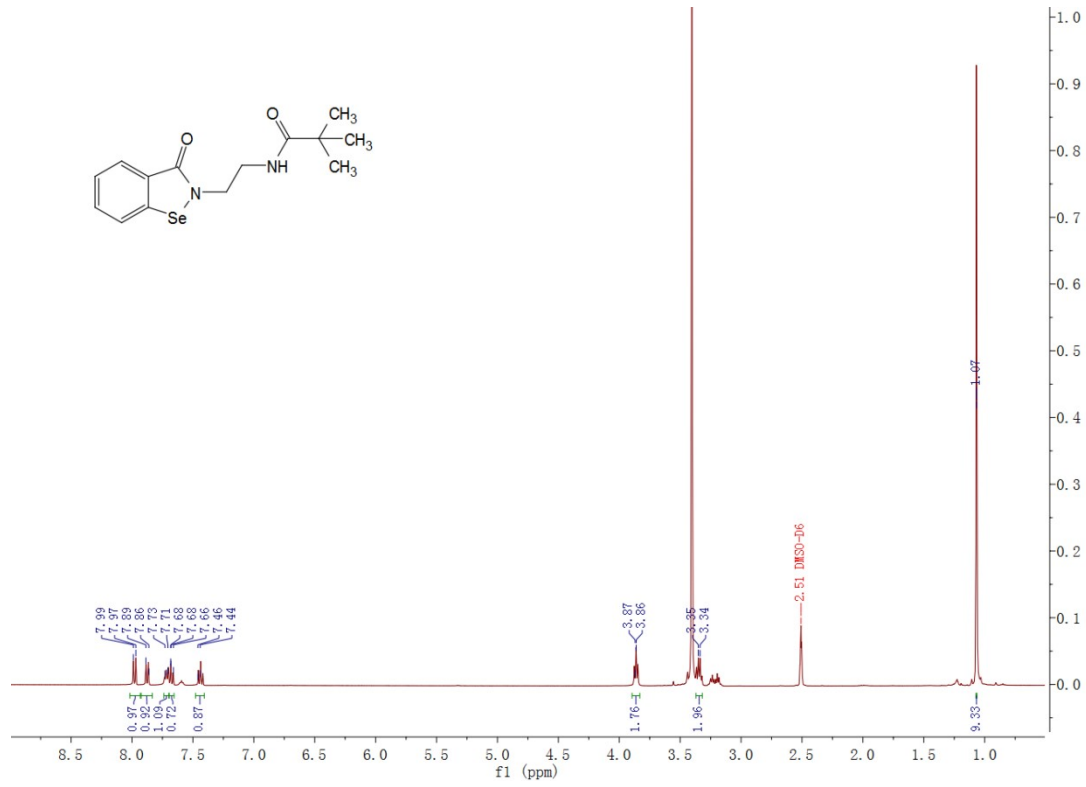
2-(4-(methylsulfonyl)phenyl)benzo[d][1,2]selenazol-3(2H)-one (A12)



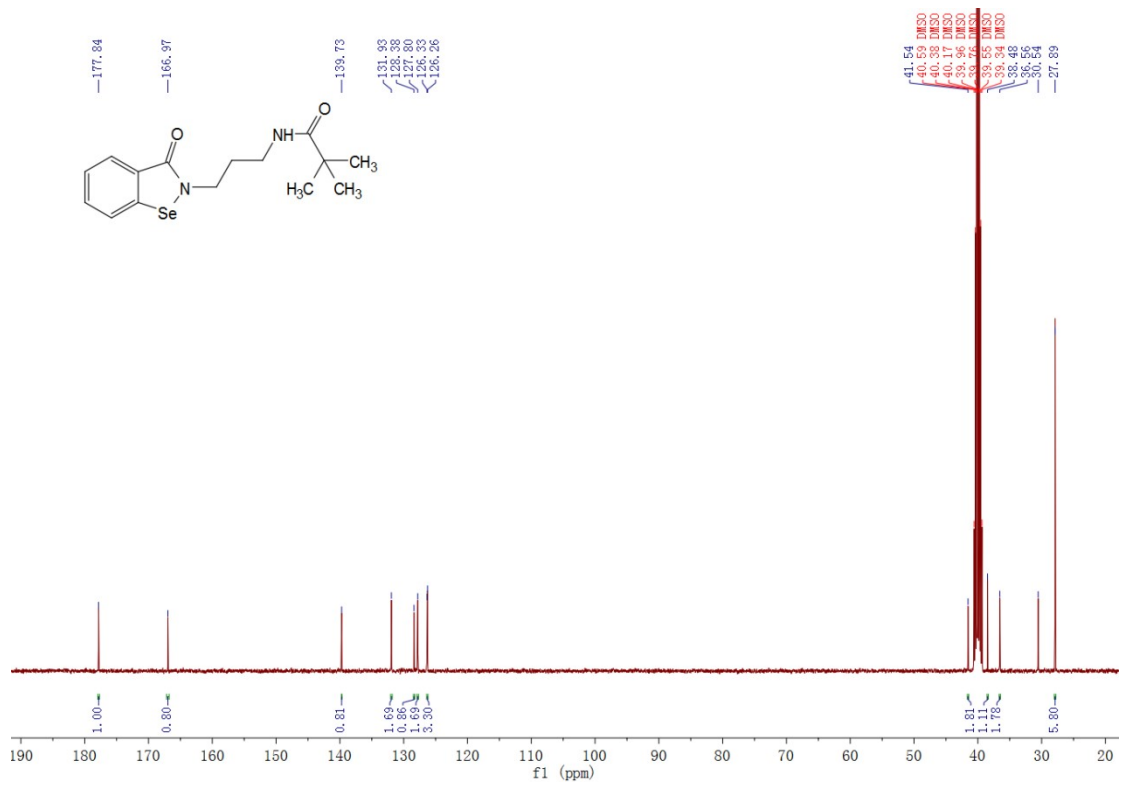
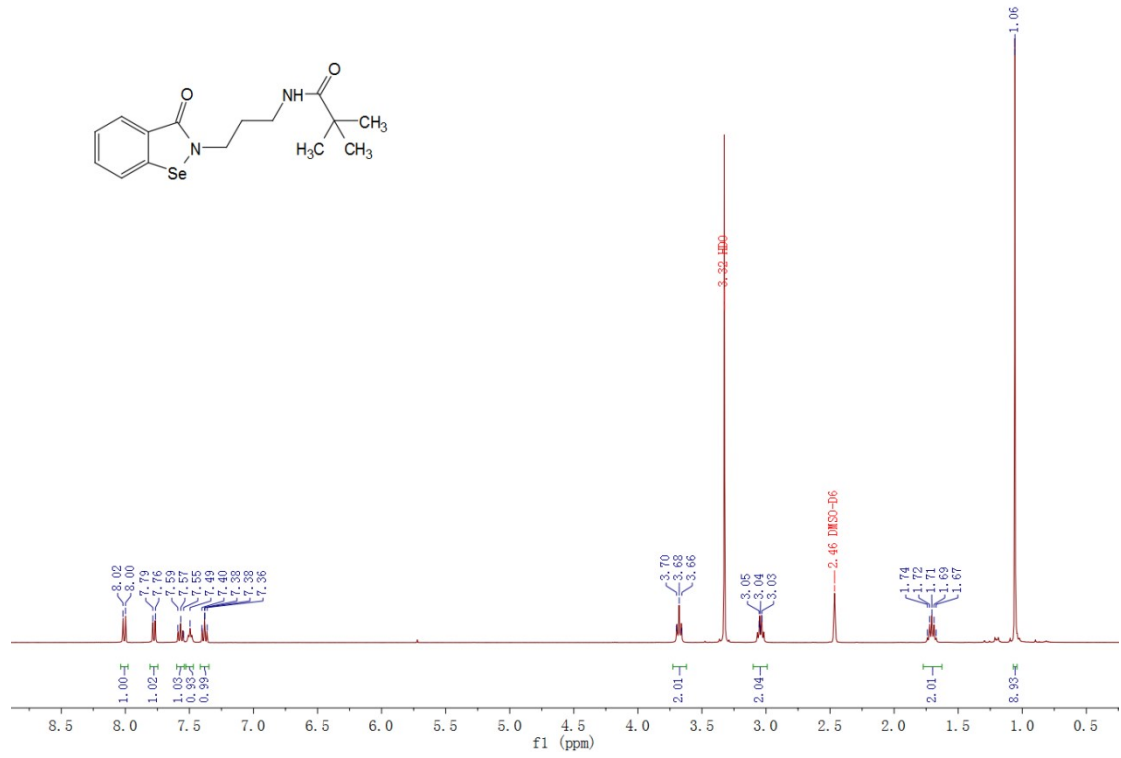
2-(5-(methylthio)-1,3,4-thiadiazol-2-yl)benzo[d][1,2]selenazol-3(2H)-one (A13)



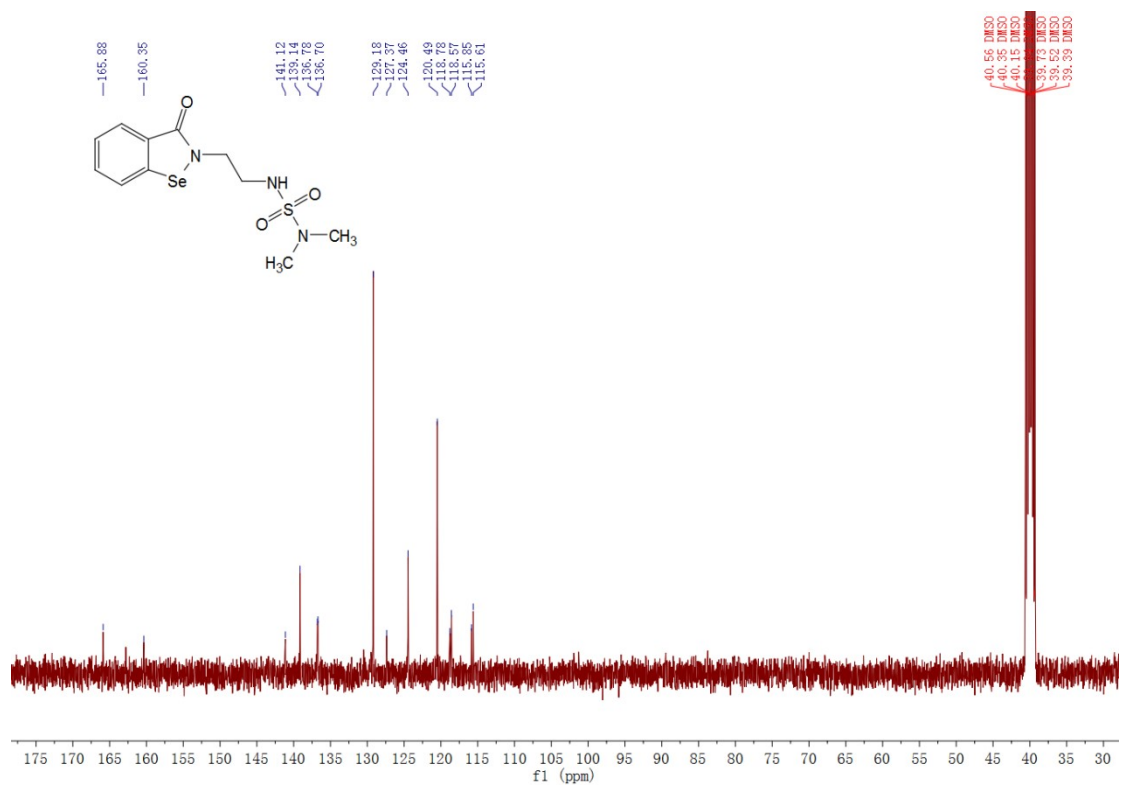
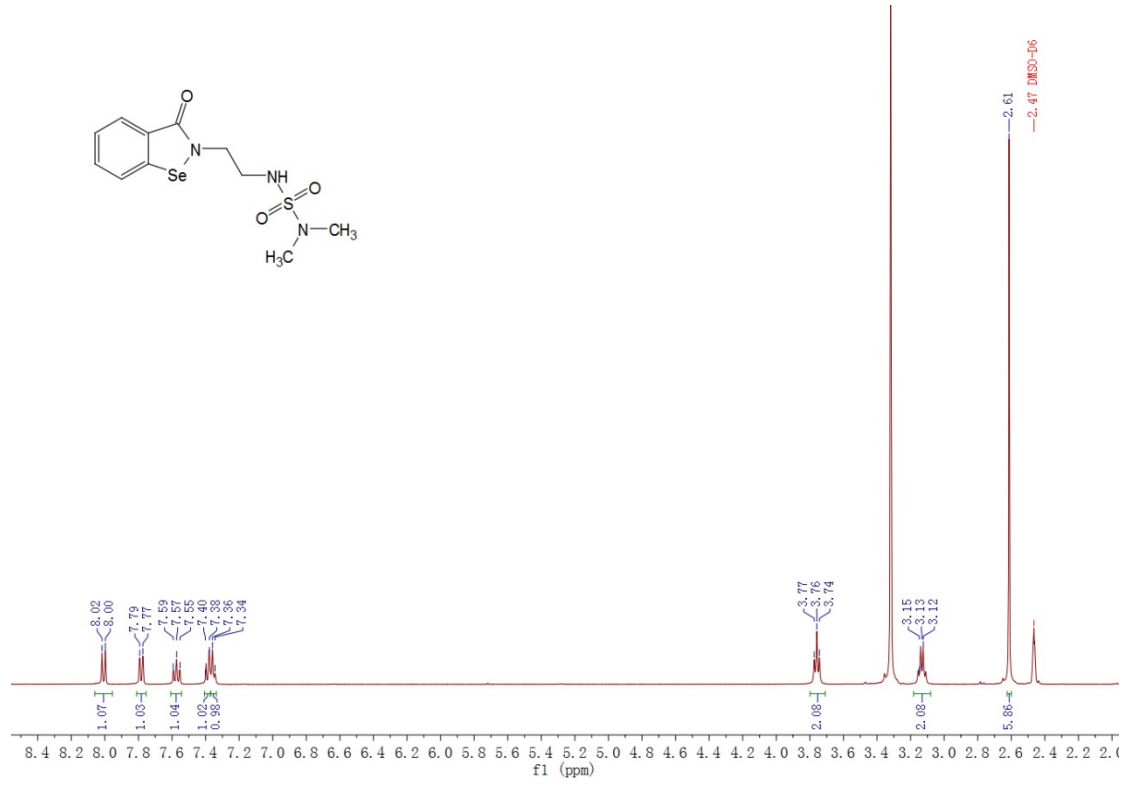
N-(2-(3-oxobenzo[*d*][1,2]selenazol-2(3*H*)-yl)ethyl)pivalamide (**A14**)



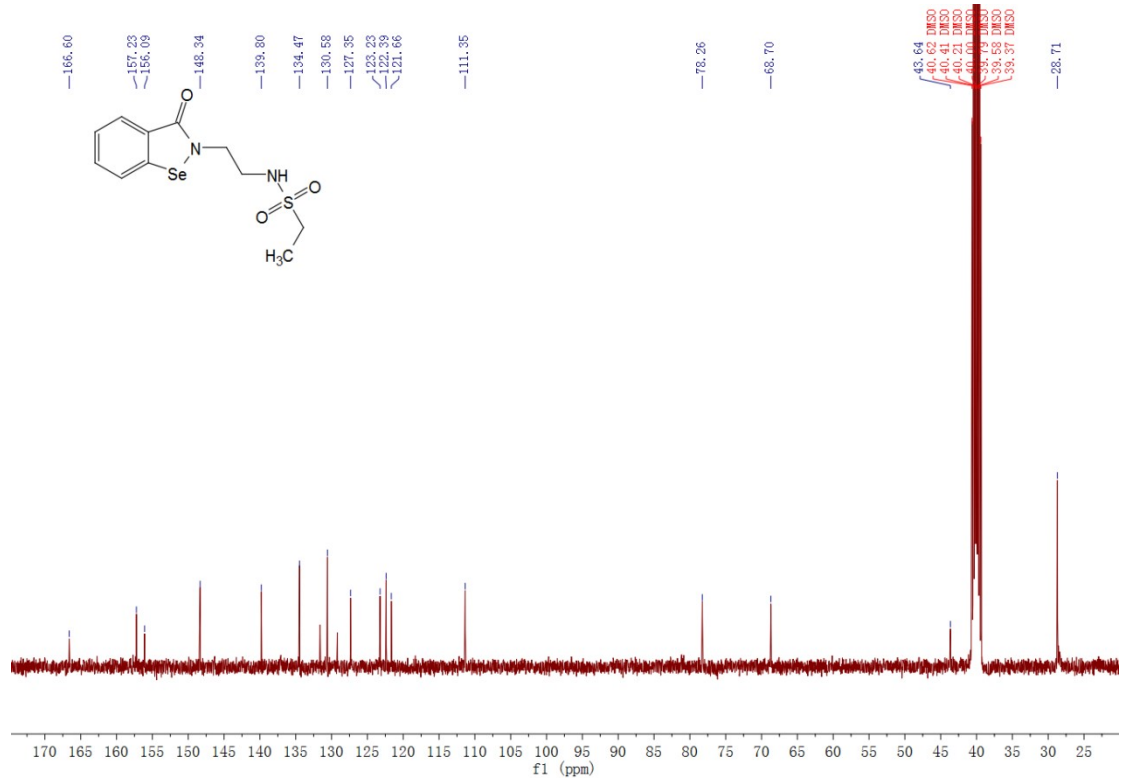
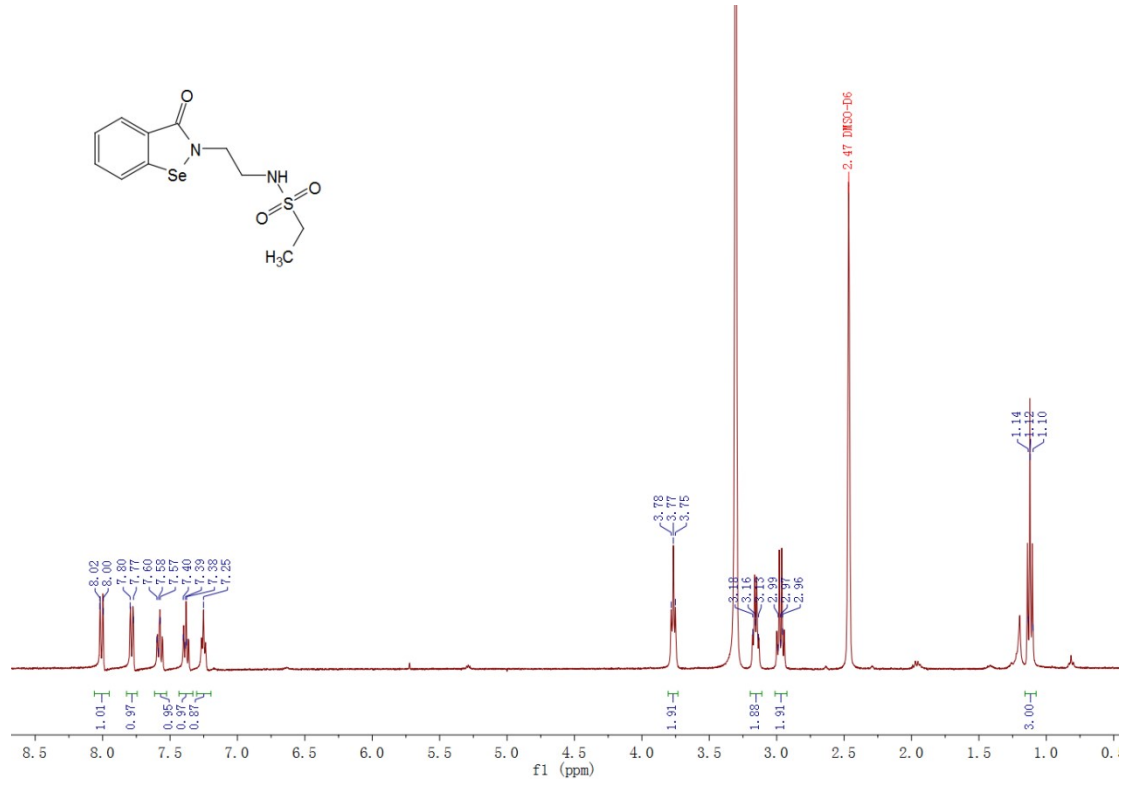
N-(3-(3-oxobenzod[1,2]selenazol-2(3H)-yl)propyl)pivalamide (A15)



N-(2-(3-oxo-benzo[*d*][1,2]selenazol-2(3*H*)-yl)ethyl)dimethylsulfamide (A16)

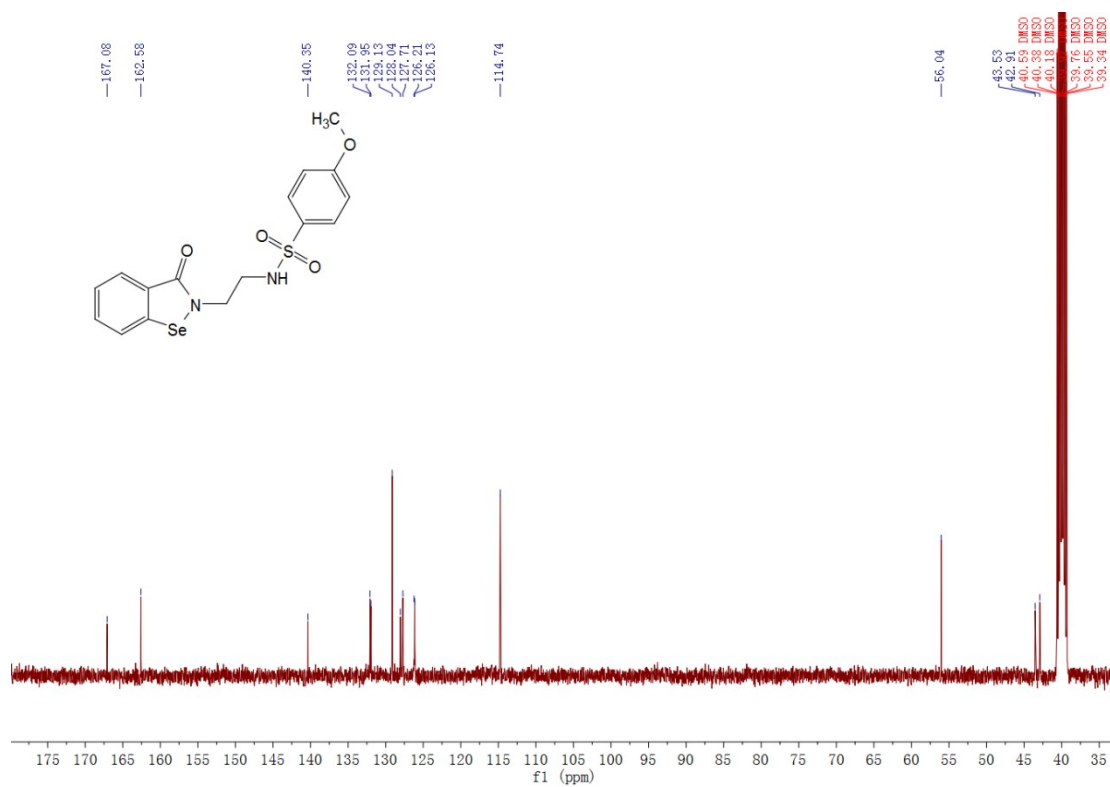
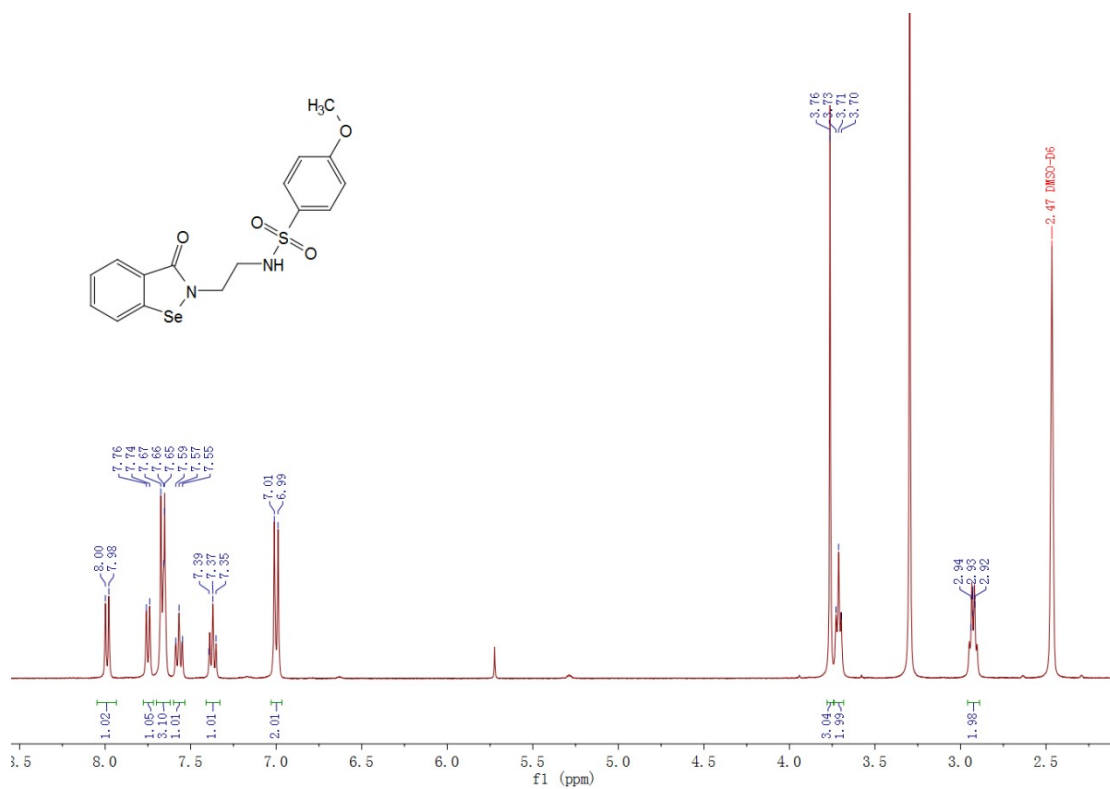


N-(2-(3-oxobenzod[1,2]selenazol-2(3H)-yl)ethyl)ethanesulfonamide (A17)



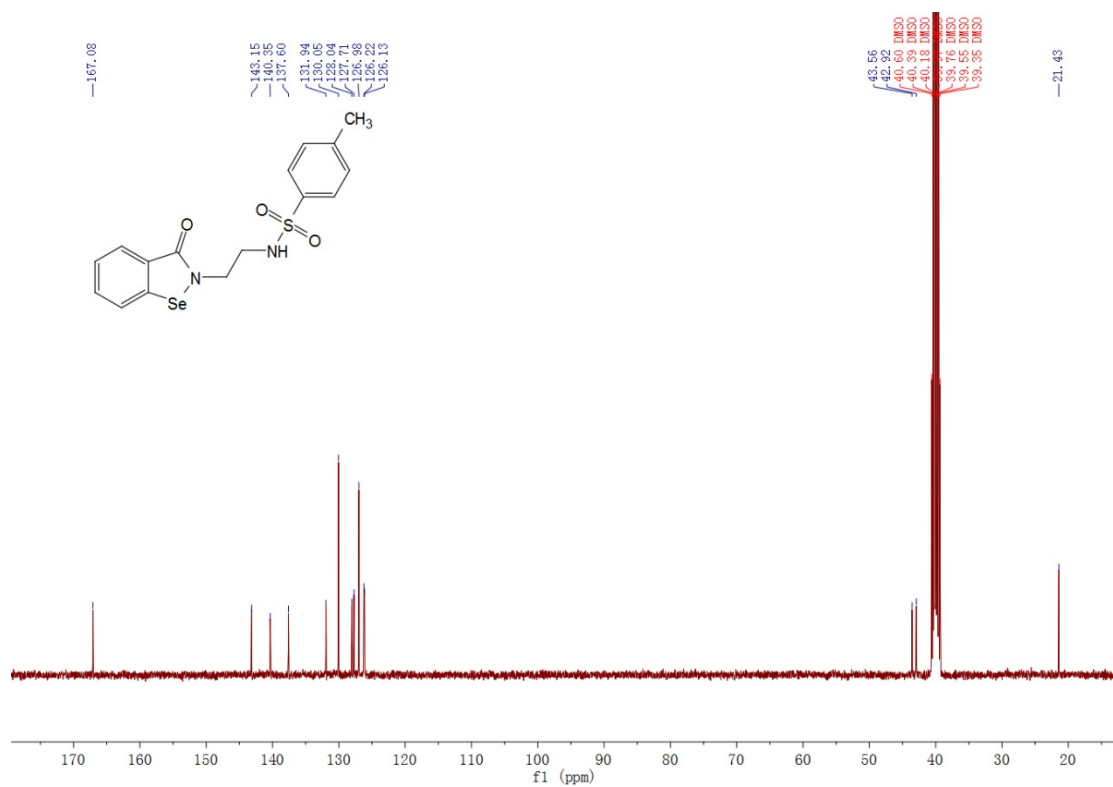
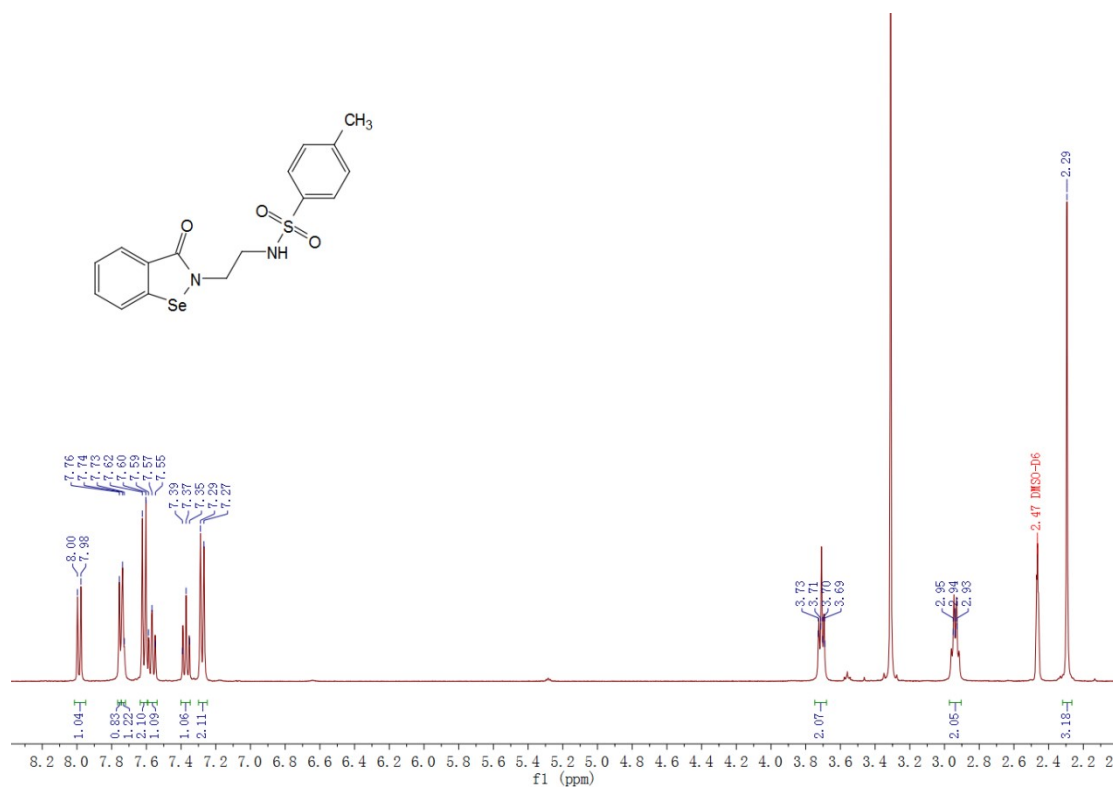
4-methoxy-N-(2-(3-oxobenzod[1,2]selenazol-2(3H)-yl)ethyl)benzenesulfonamide

(A18)

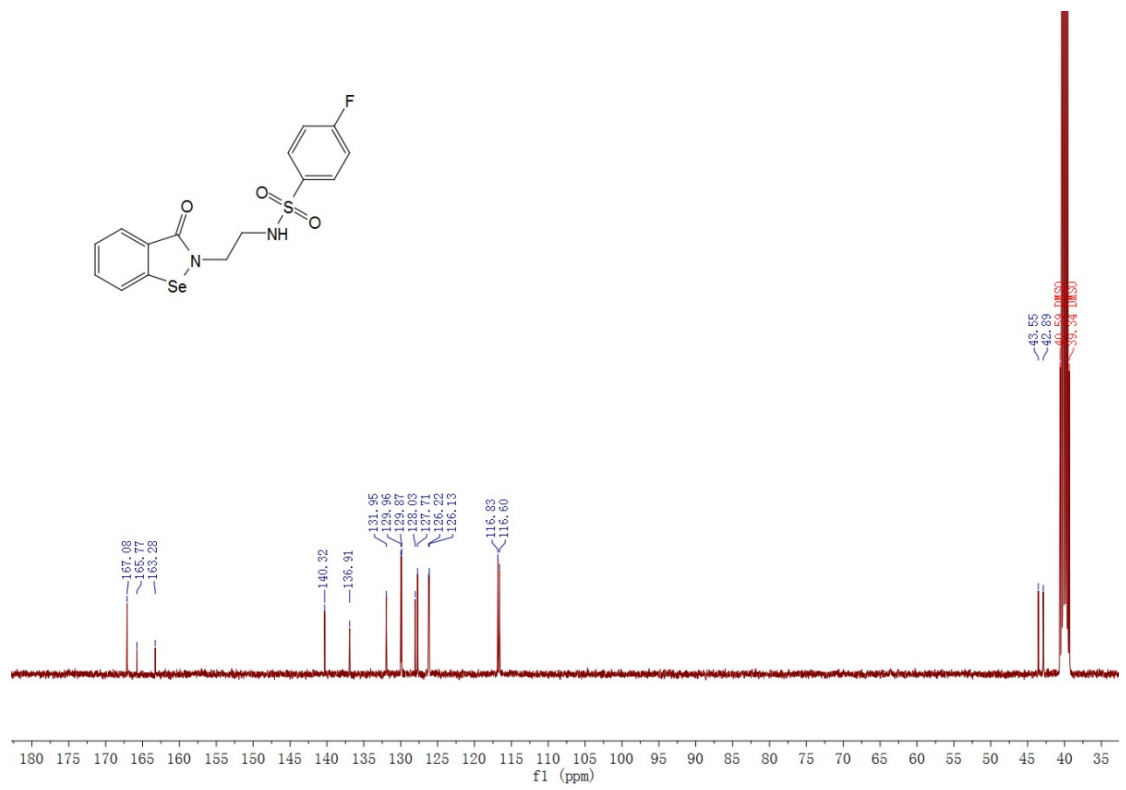
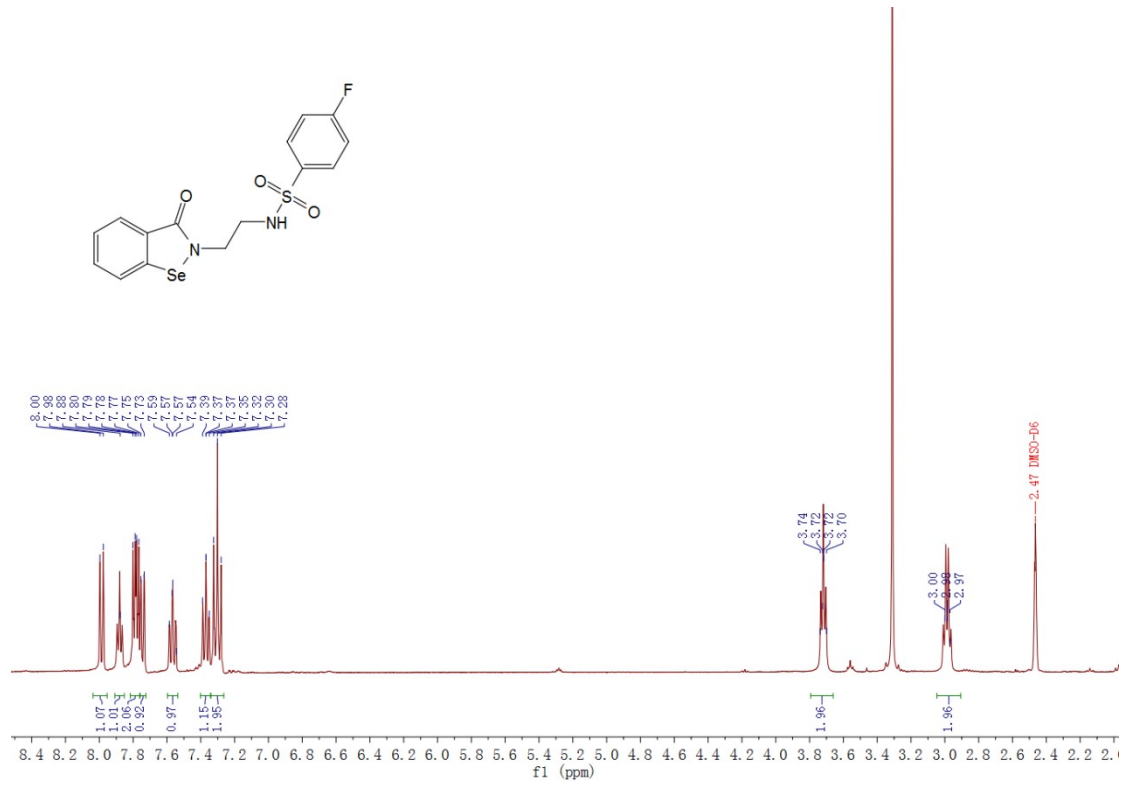


4-methyl-N-(2-(3-oxobenzo[d][1,2]selenazol-2(3H)-yl)ethyl)benzenesulfonamide

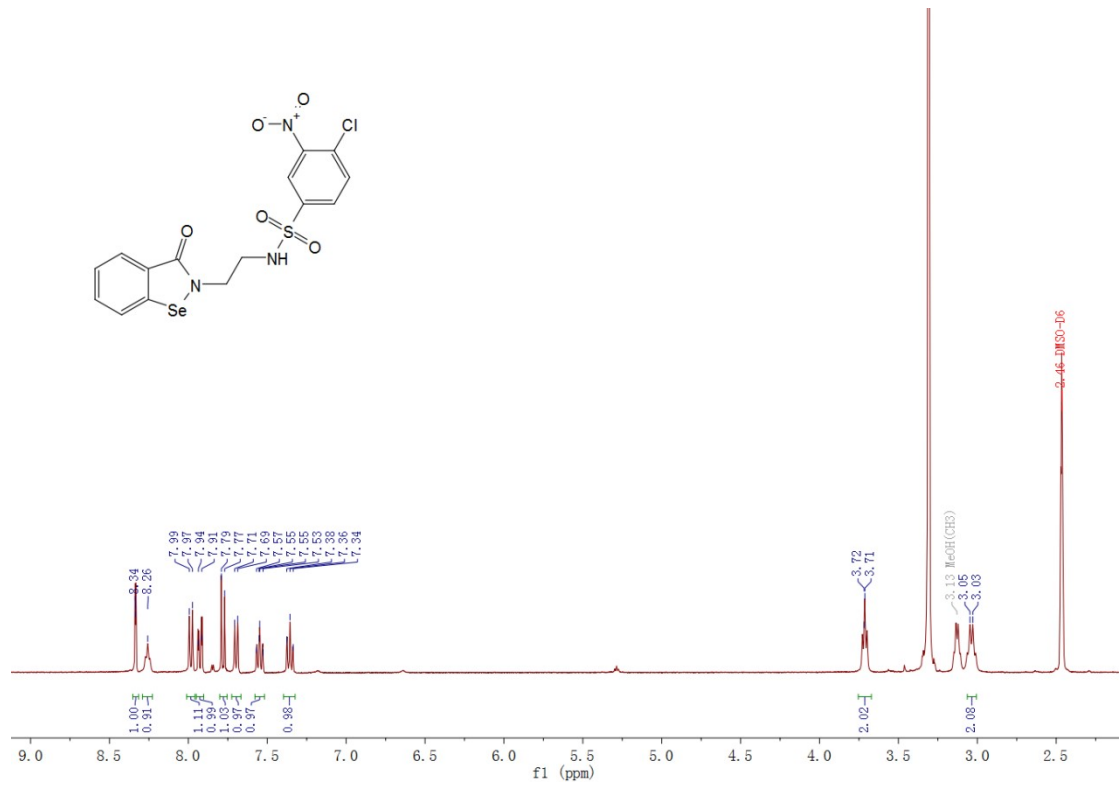
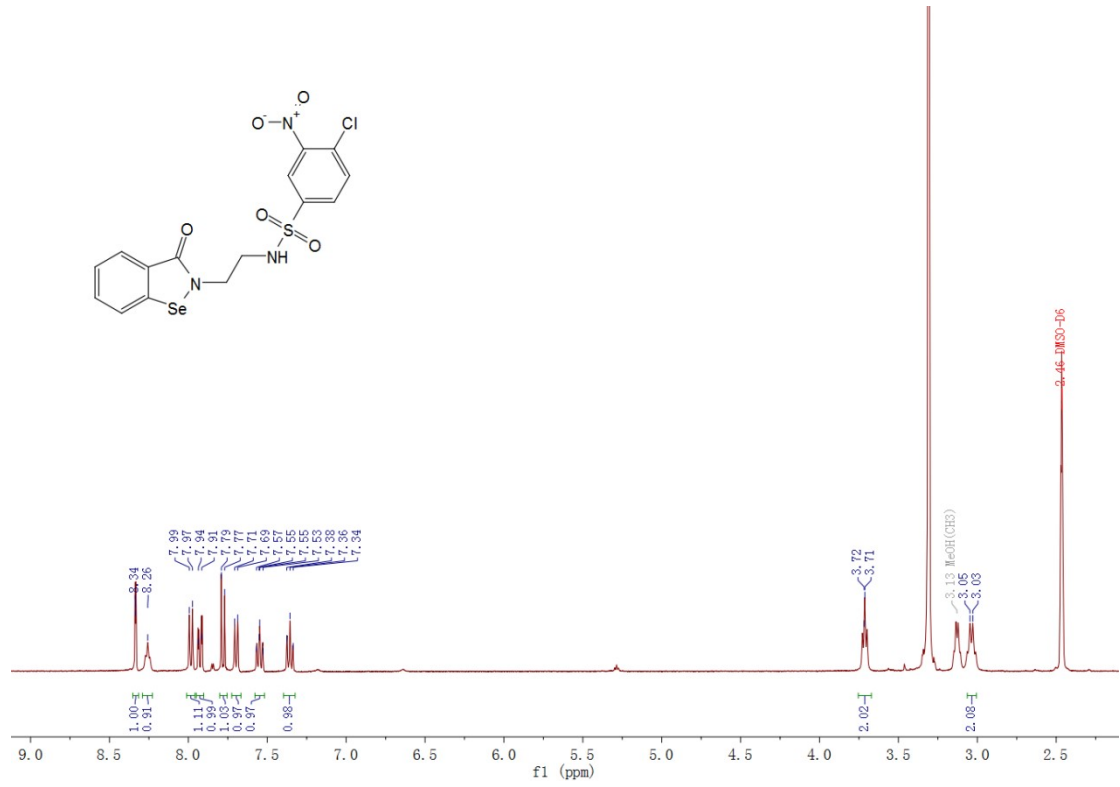
(A19)



4-fluoro-N-(2-(3-oxobenzoselenazol-2(3H)-yl)ethyl)benzenesulfonamide (A20)



4-chloro-3-nitro-N-(2-(3-oxobenzo[d][1,2]selenazol-2(3H)-yl)ethyl)benzenesulfonamide (A21)



4-(tert-butyl)-N-(2-(3-oxobenzod[1,2]selenazol-2(3H)-yl)ethyl)benzenesulfonamide
(A22)

