

Supporting Information

Task-specific ionic liquid catalyzed synthesis of novel naphthoquinone-urazole hybrids and evaluation of their antioxidant and *in vitro* anticancer activity

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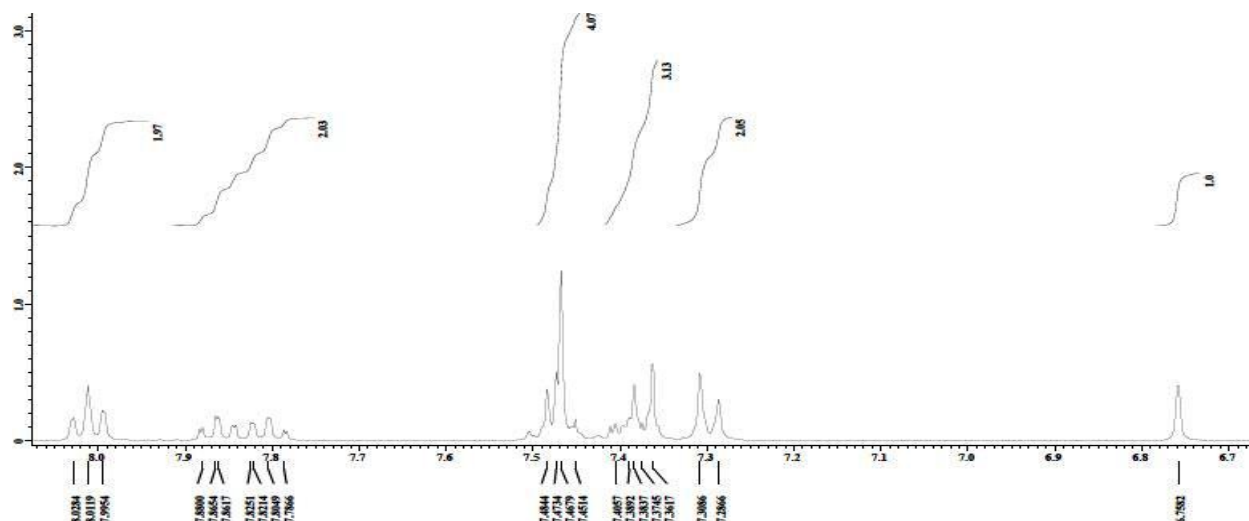
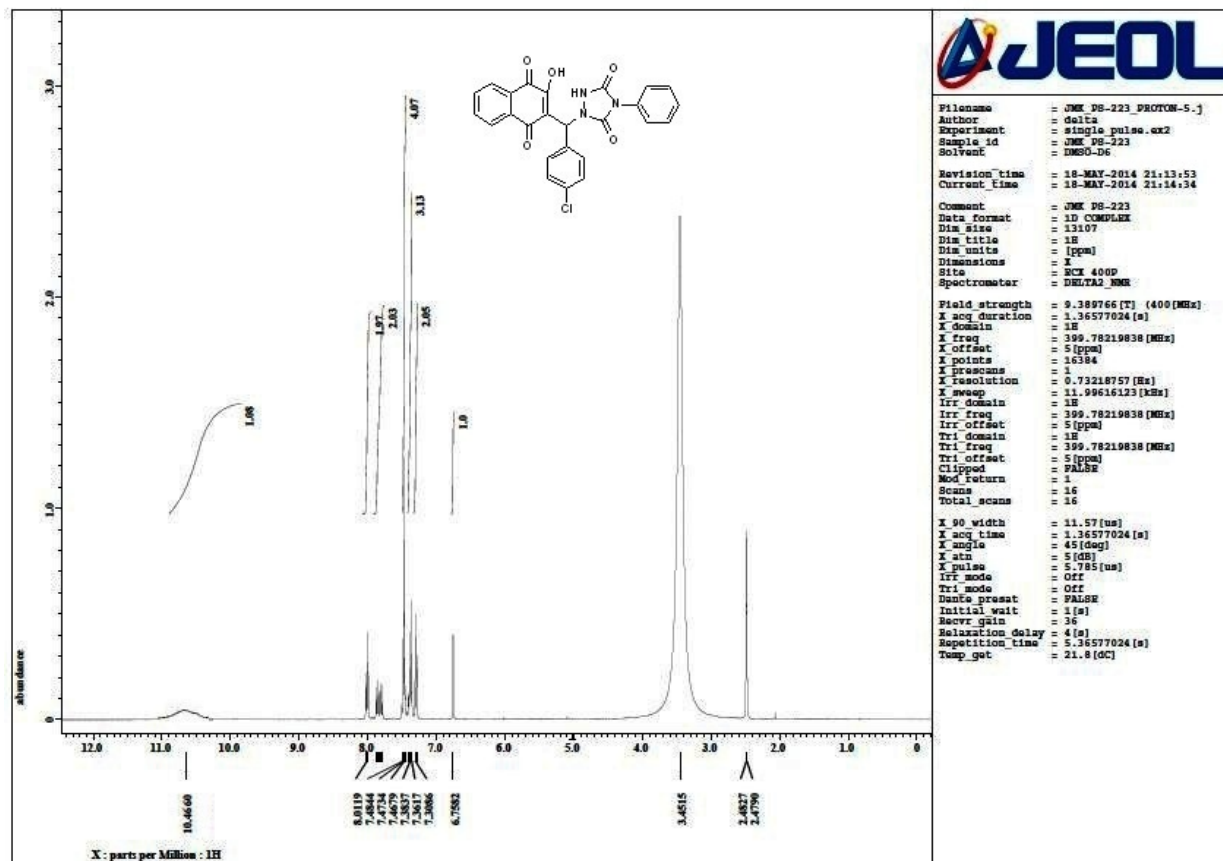
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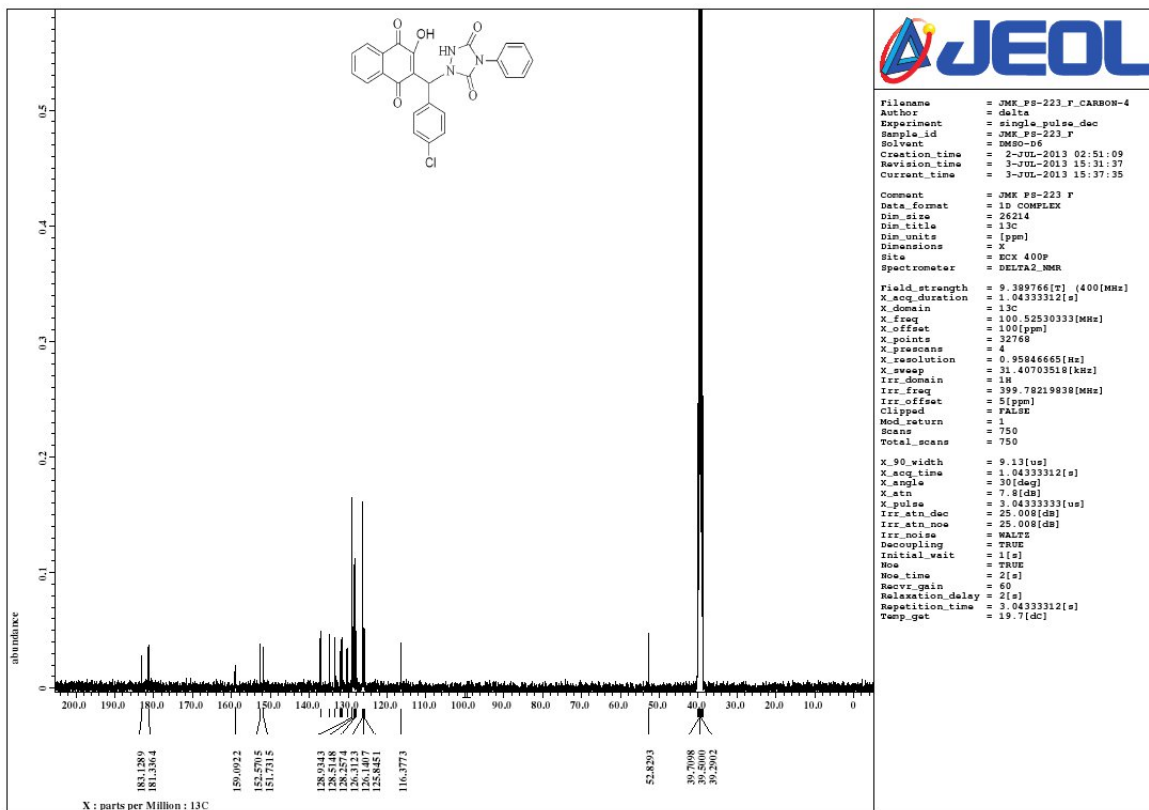
Spectral data of naphthoquinone-urazole hybrids (IVa-o):

1-((4-chlorophenyl)(3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVa)

^1H NMR of IVa in DMSO-d_6

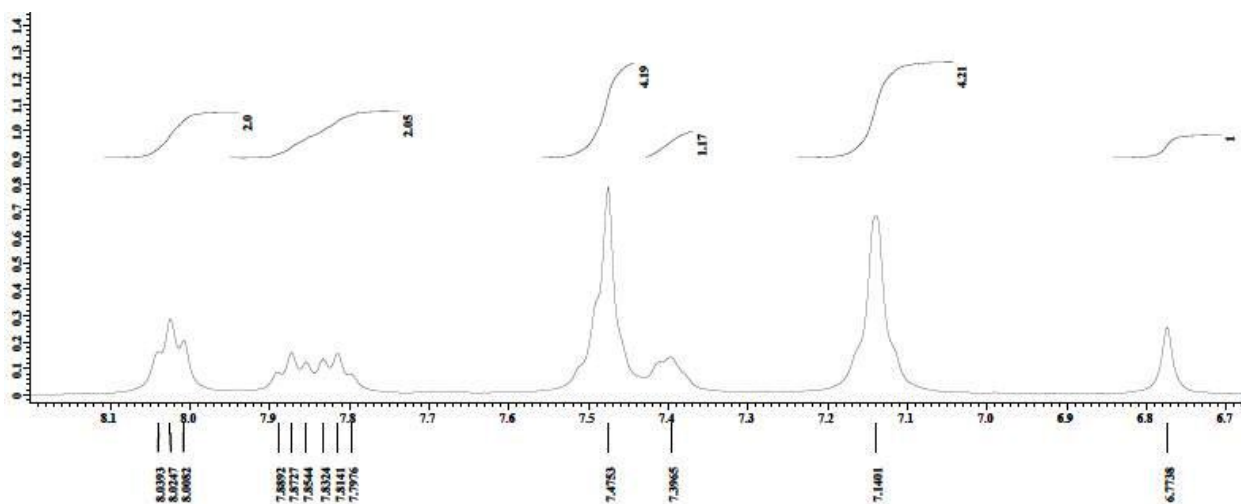
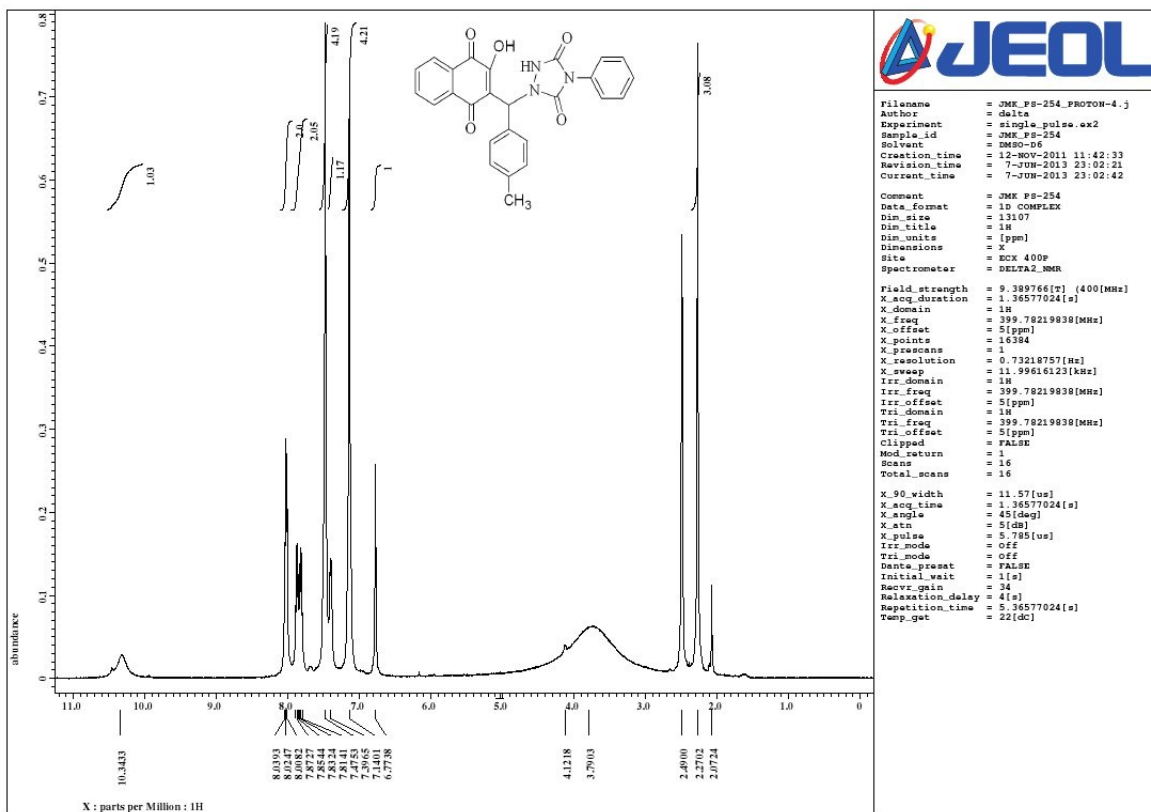


¹³C NMR of IVa in DMSO-d₆

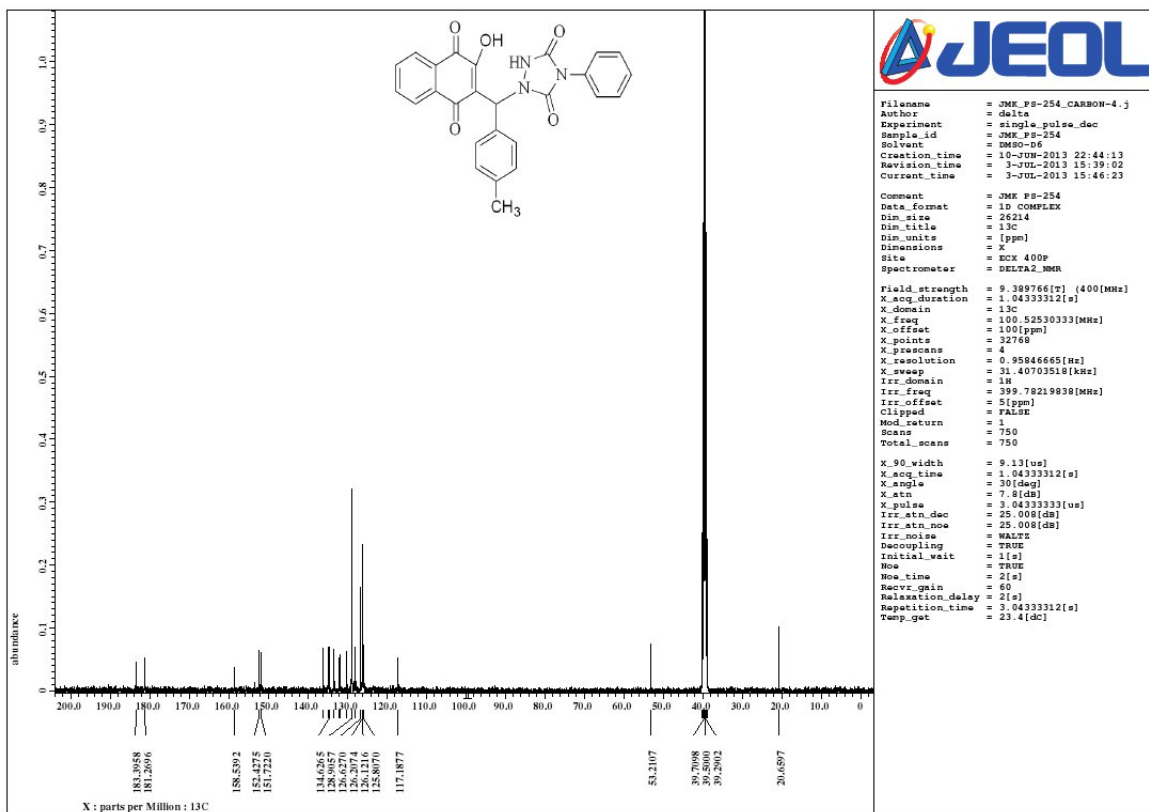


1-((3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)(4-methylphenyl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVb)

¹H NMR of IVb in DMSO-d₆

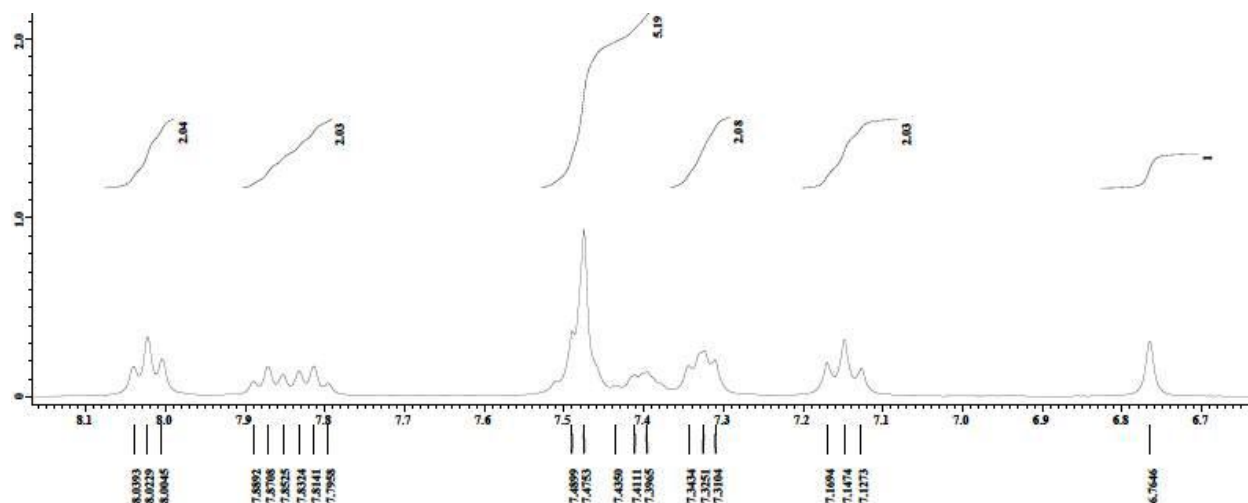
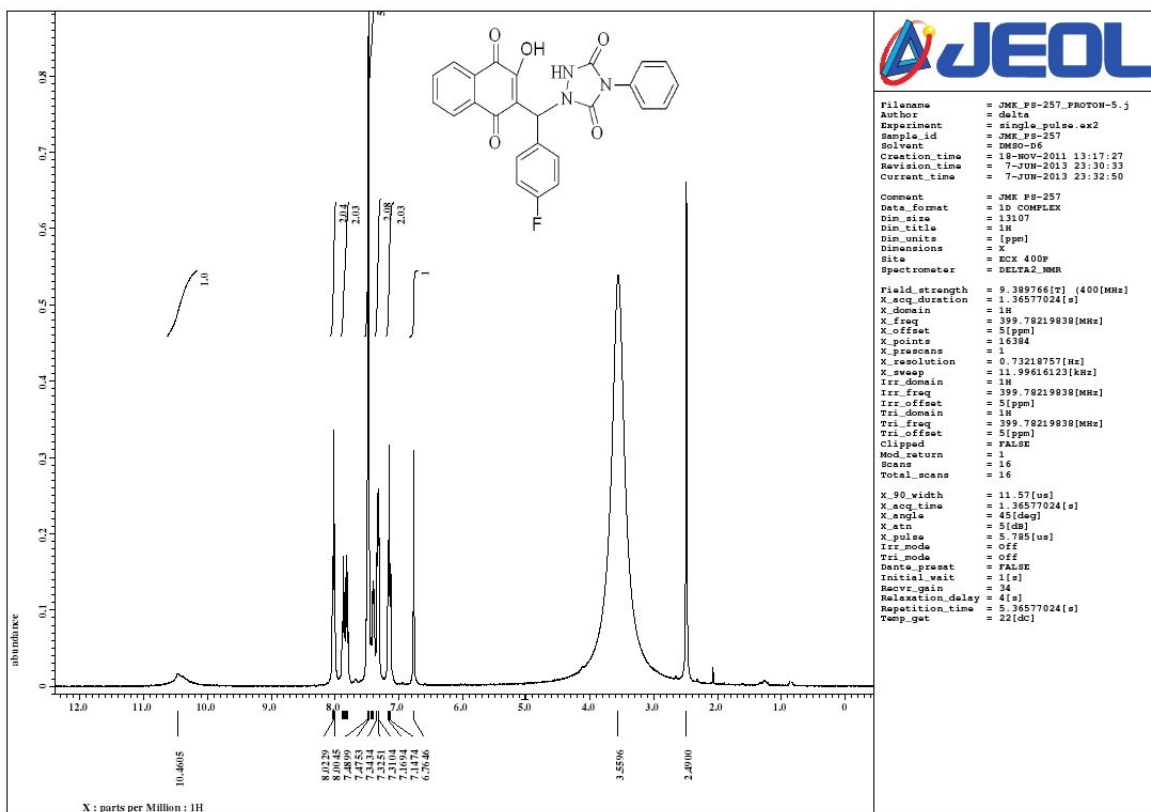


¹³C NMR of IVb in DMSO-d₆

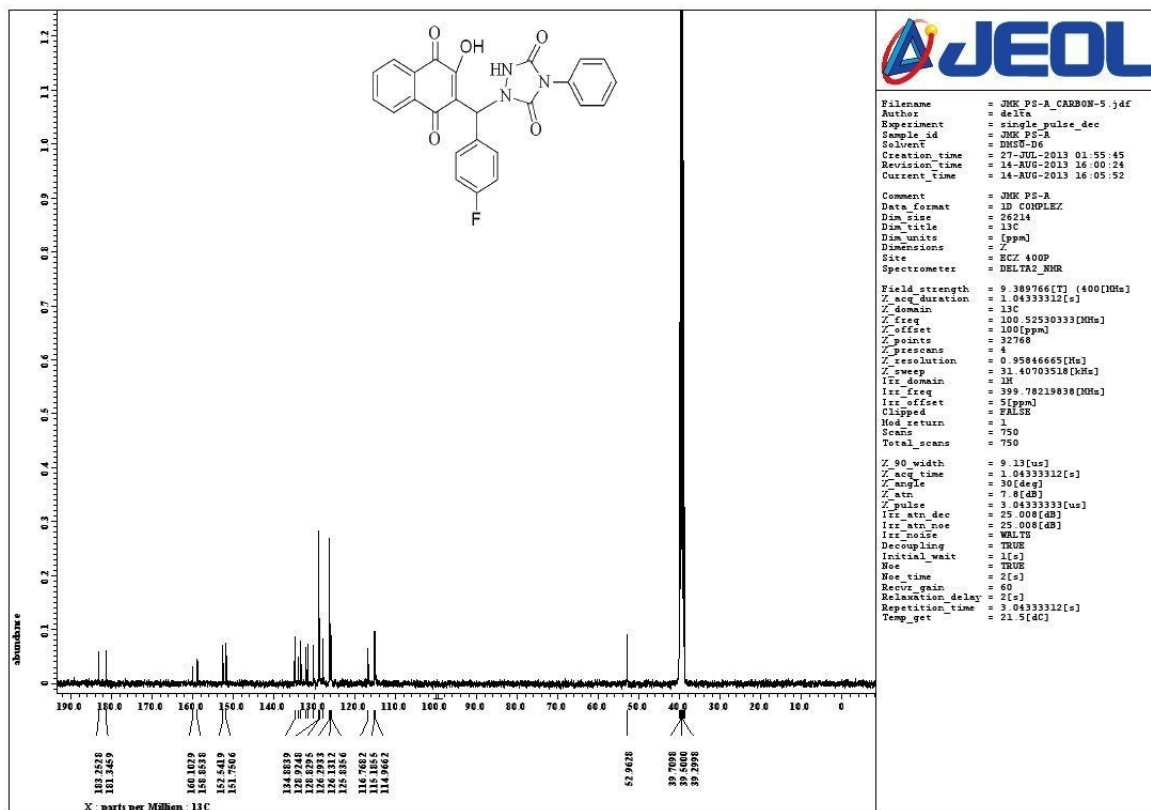


1-((4-fluorophenyl)(3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVc)

¹H NMR of IVc in DMSO-d₆

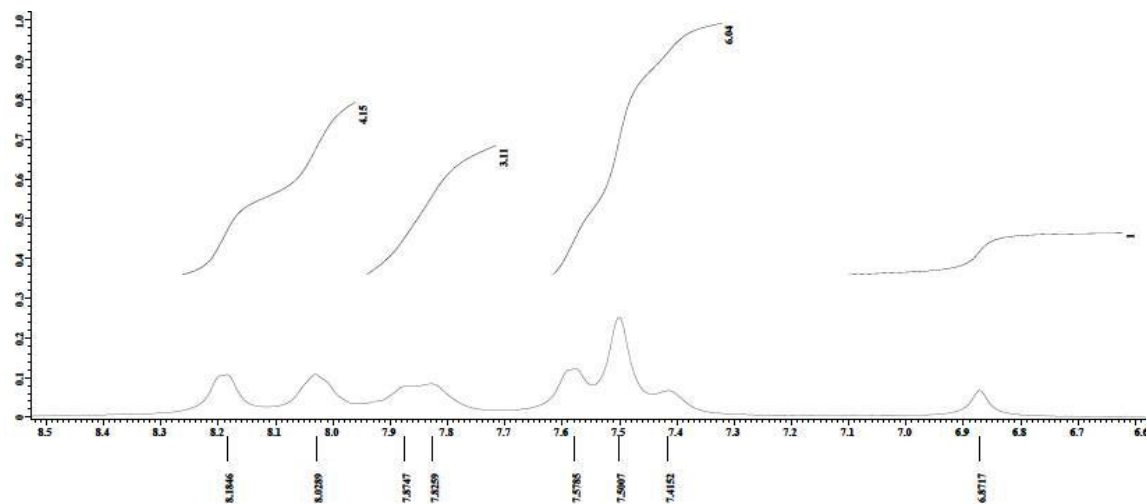
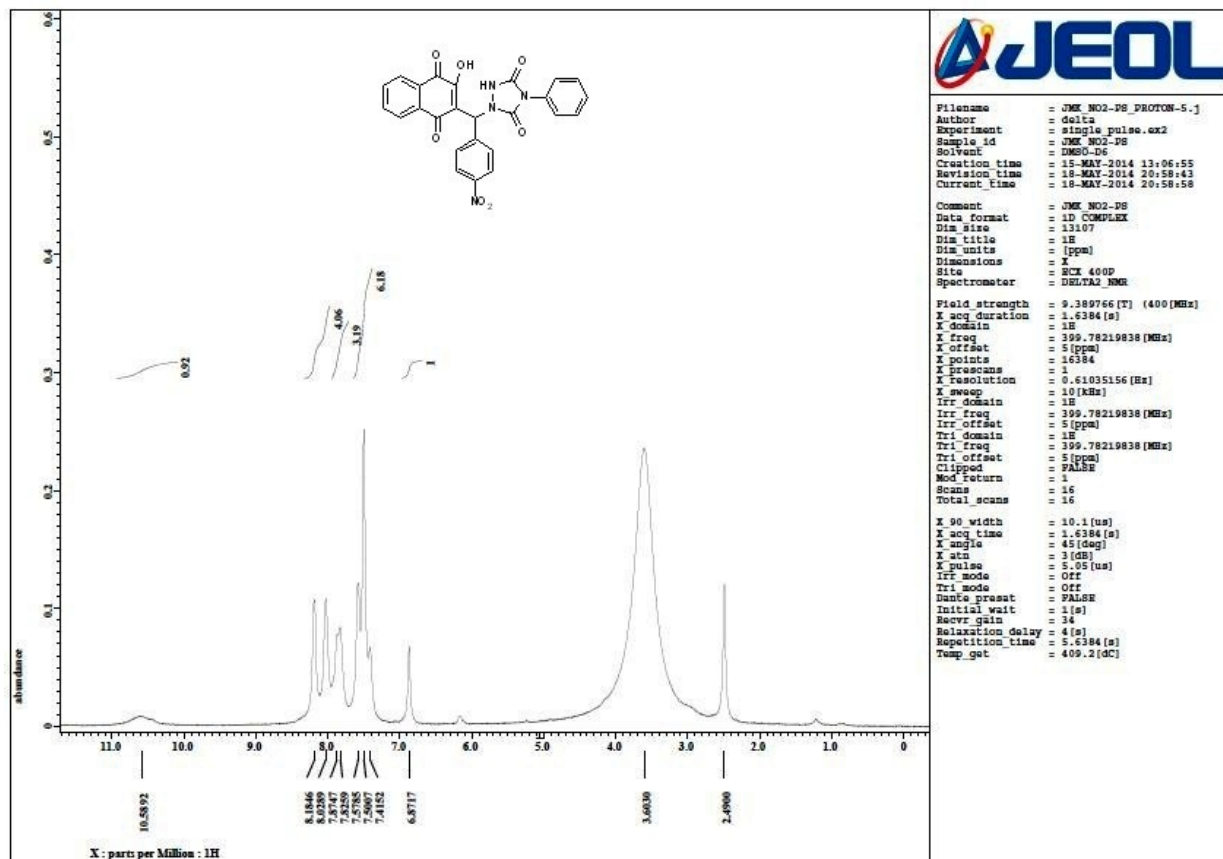


¹³C NMR of IVc in DMSO-d₆

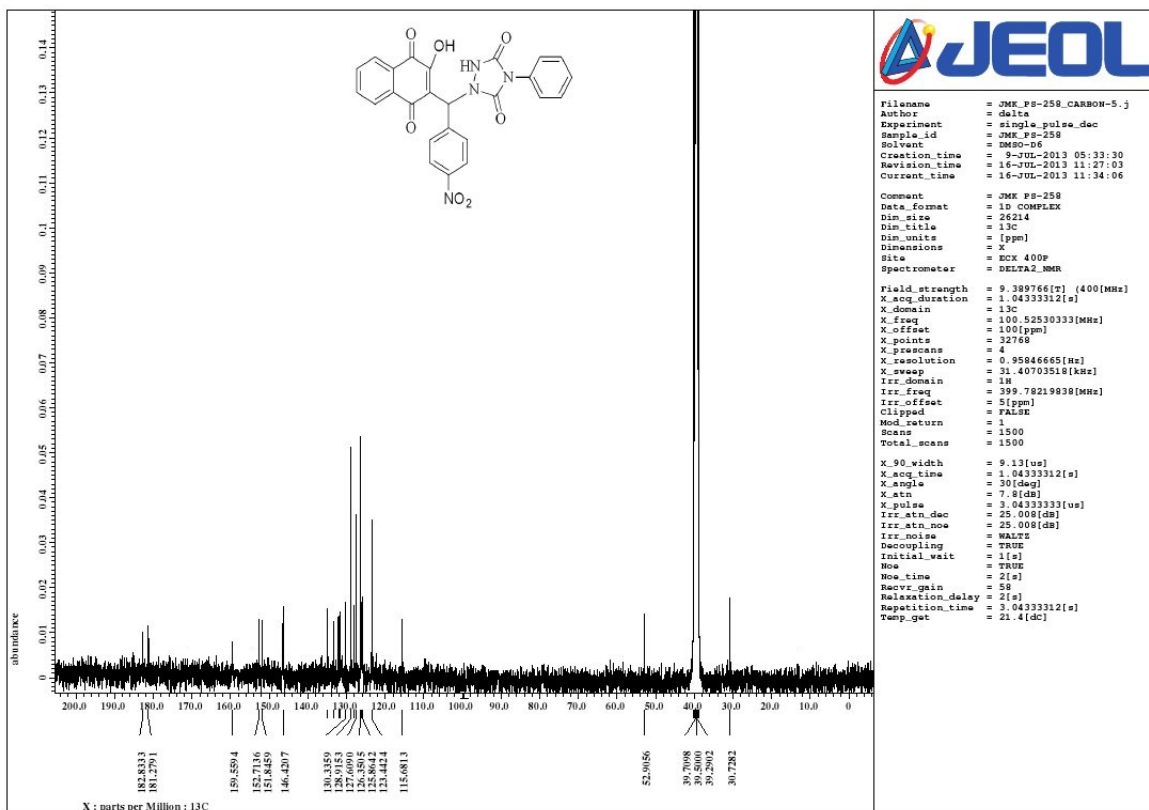


1-((3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)(4-nitrophenyl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVd)

¹H NMR of IVd in DMSO-d₆

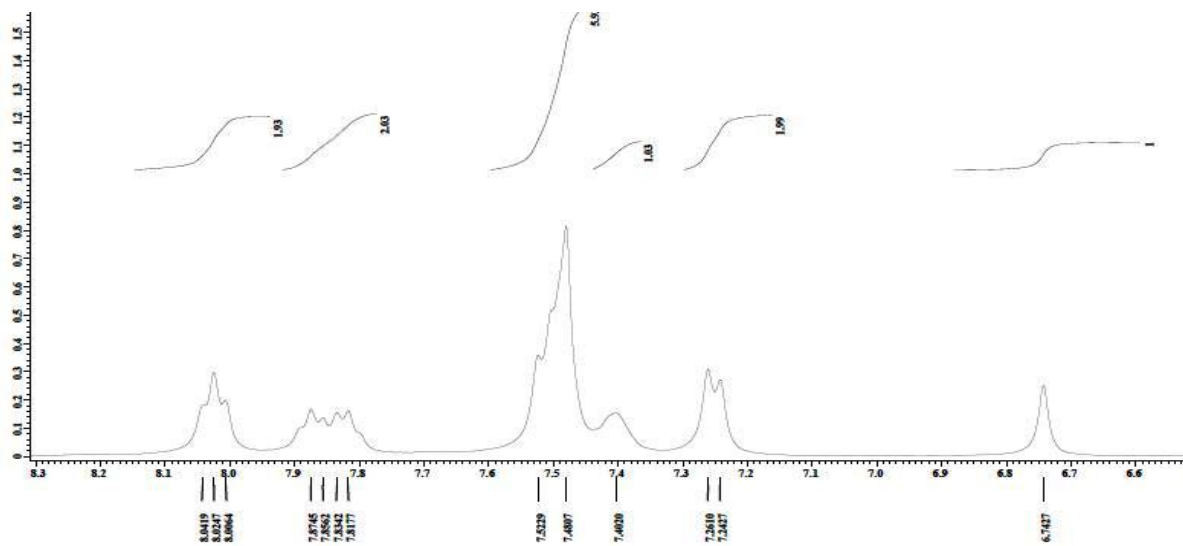
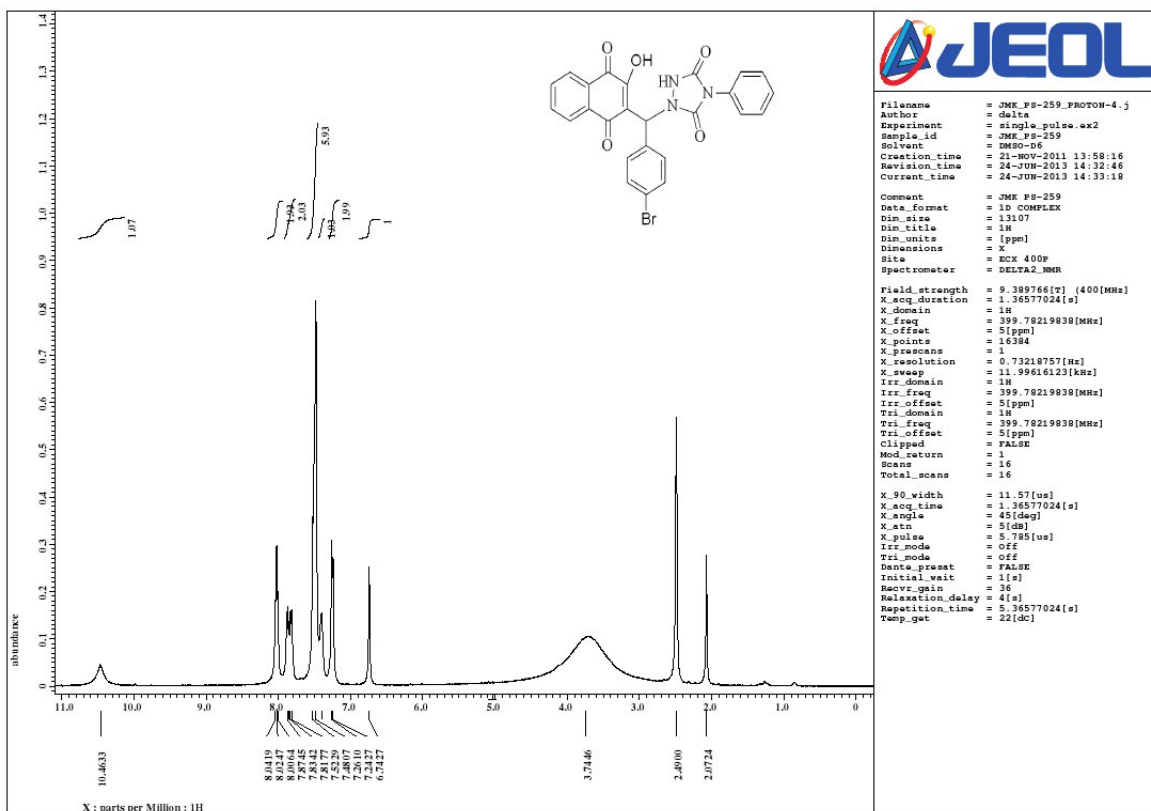


¹³C NMR of IVd in DMSO-d₆

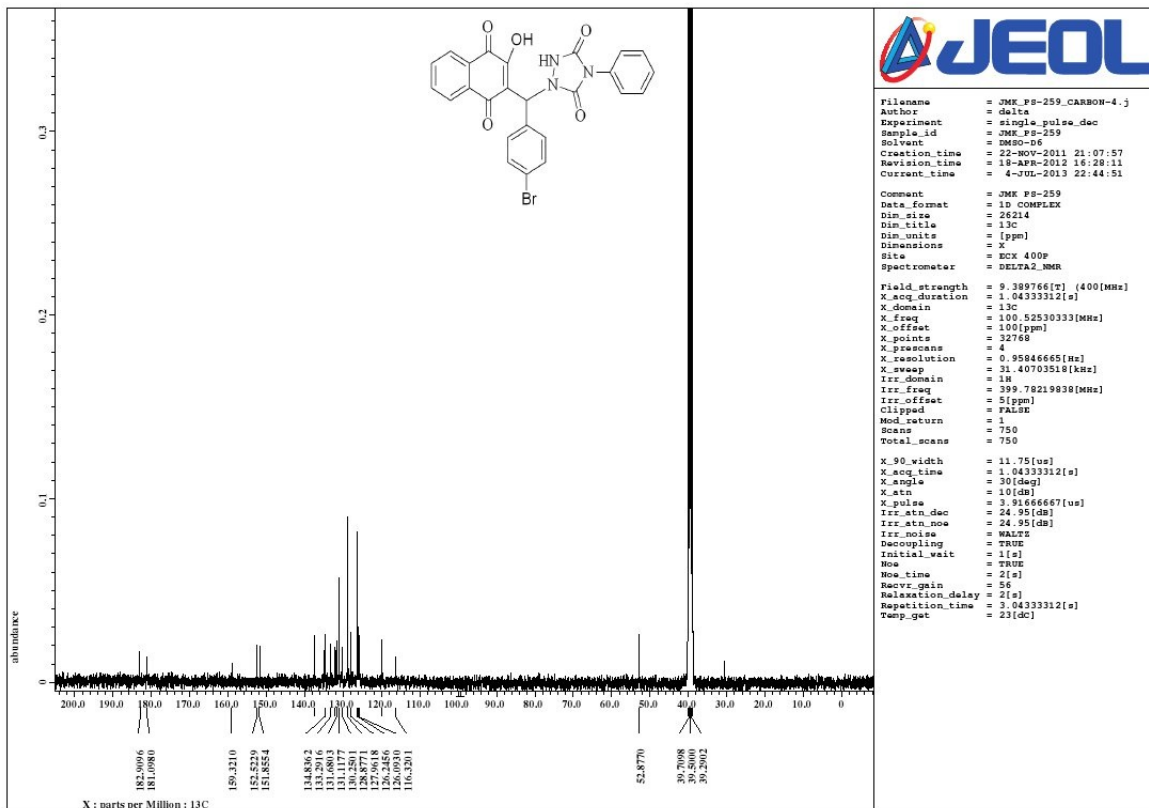


1-((4-bromophenyl)(3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVe)

¹H NMR of IVe in DMSO-d₆

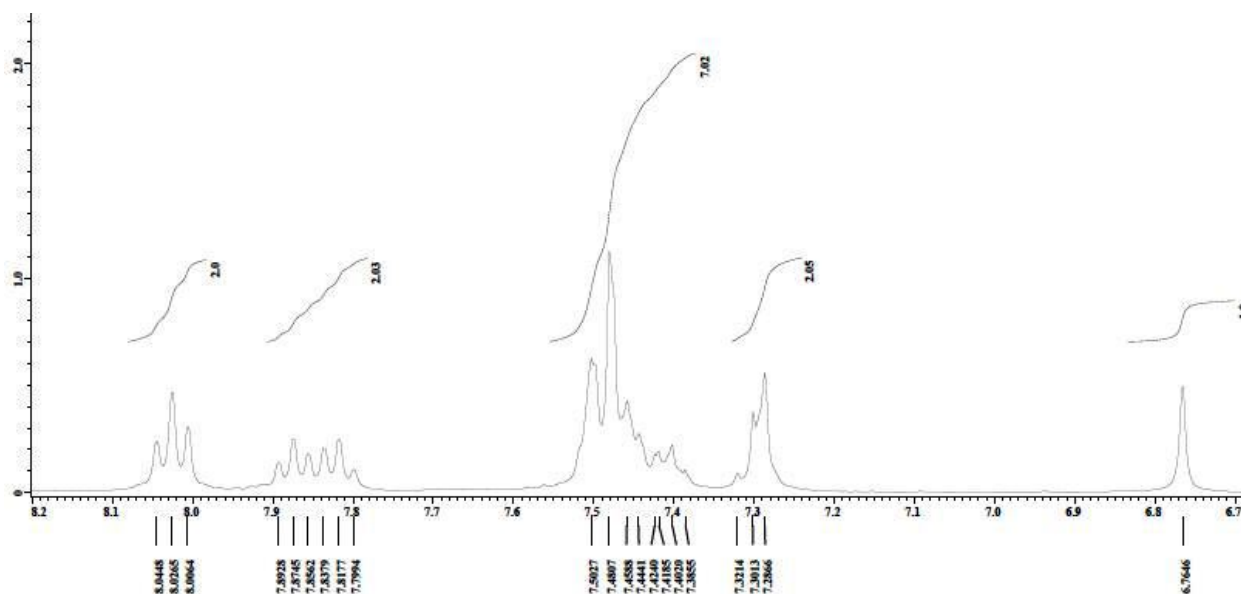
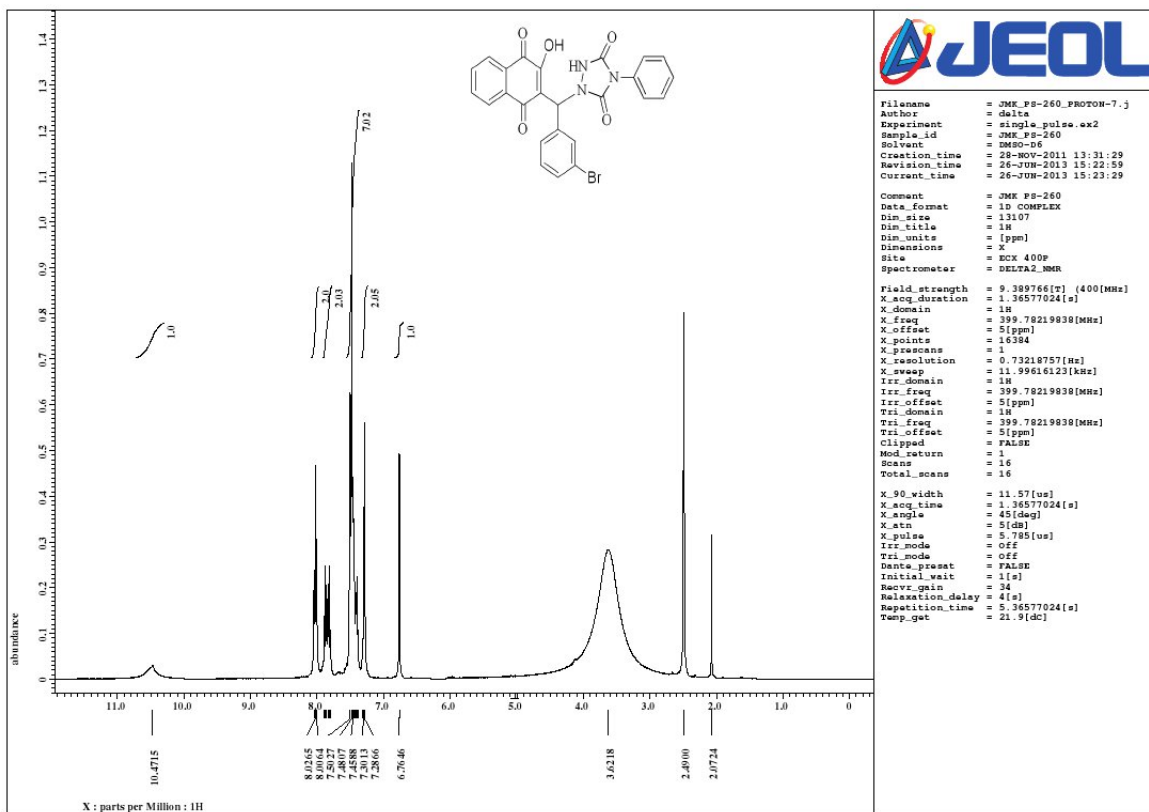


¹³C NMR of IVe in DMSO-d₆

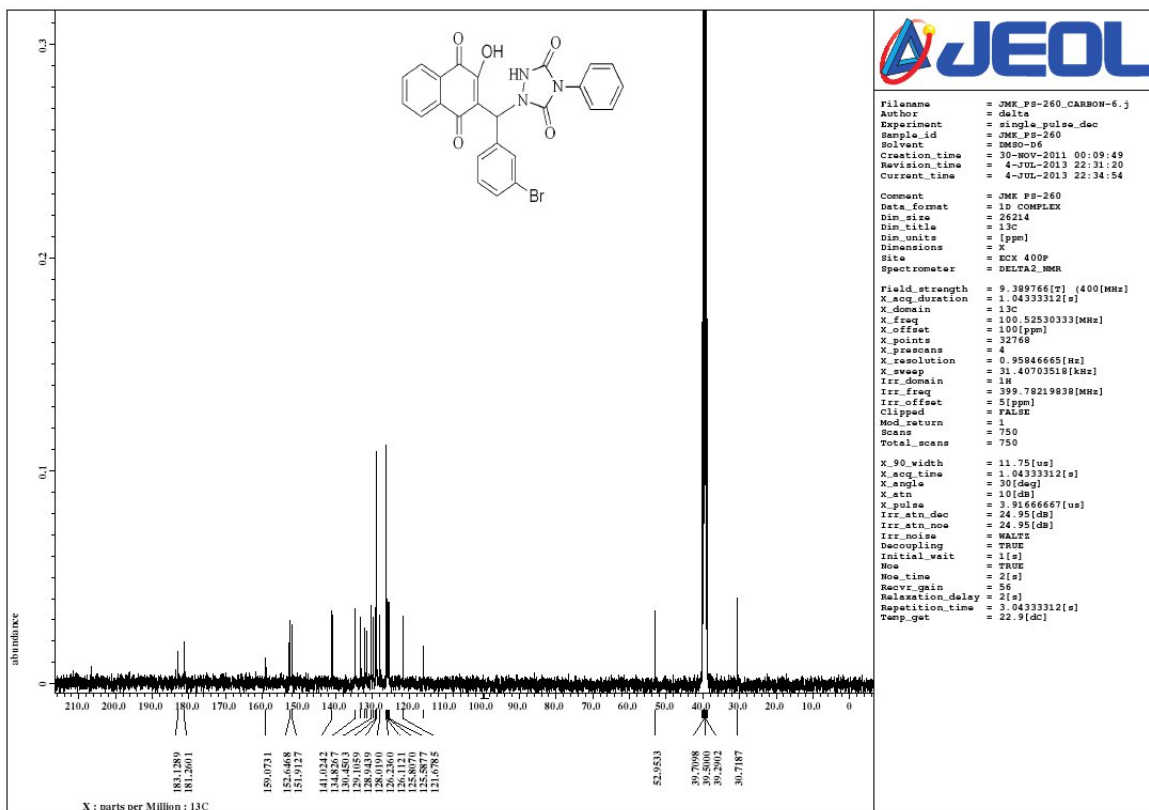


1-((3-bromophenyl)(3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVf)

^1H NMR of IVf in DMSO- d_6

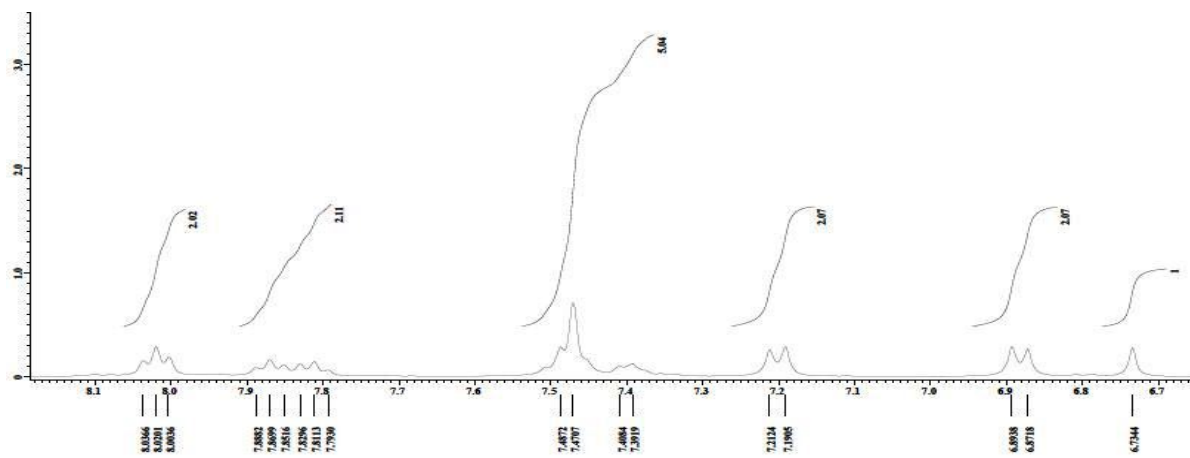
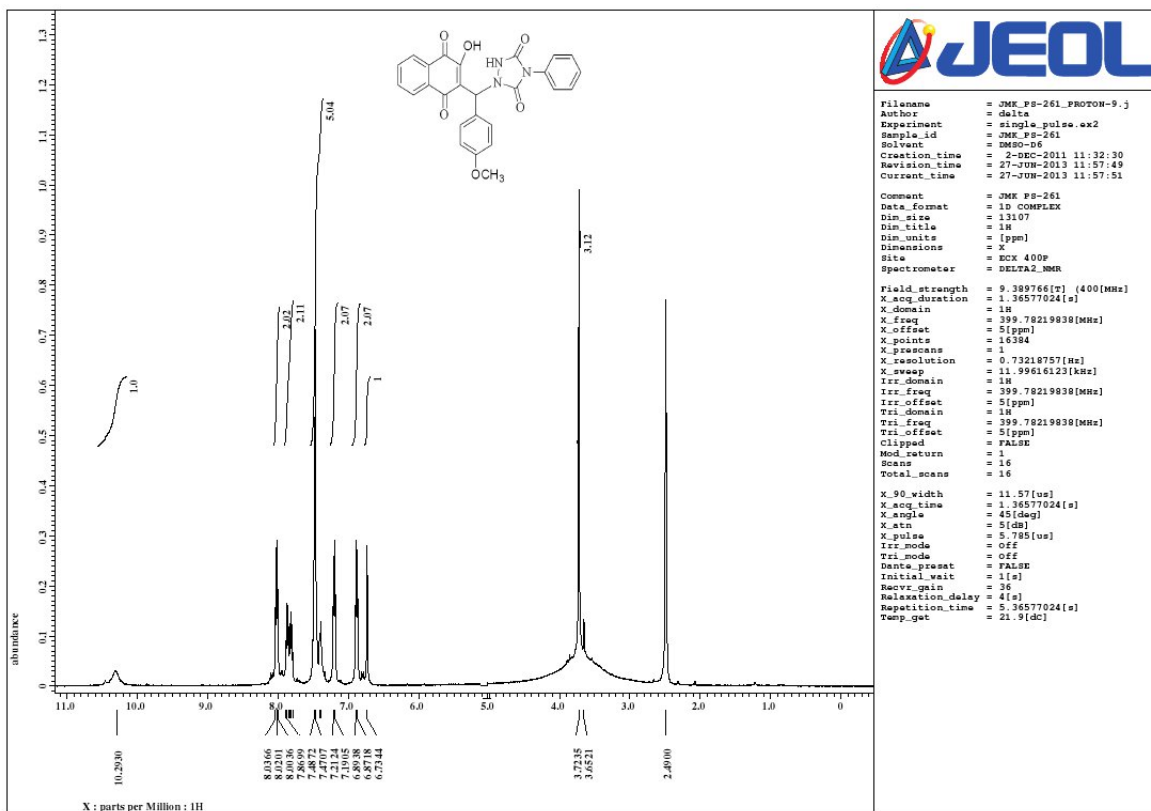


¹³C NMR of IVf in DMSO-d₆

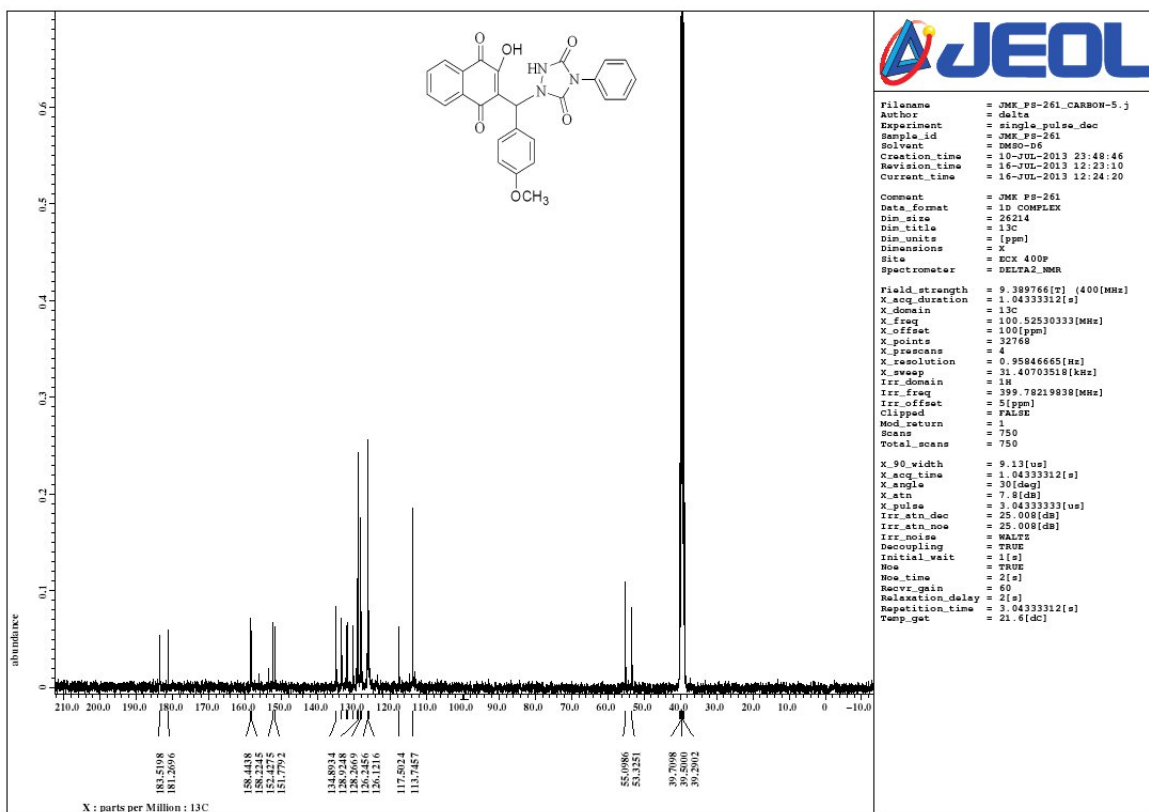


1-((3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)(4-methoxyphenyl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVg)

¹H NMR of IVg in DMSO-d₆

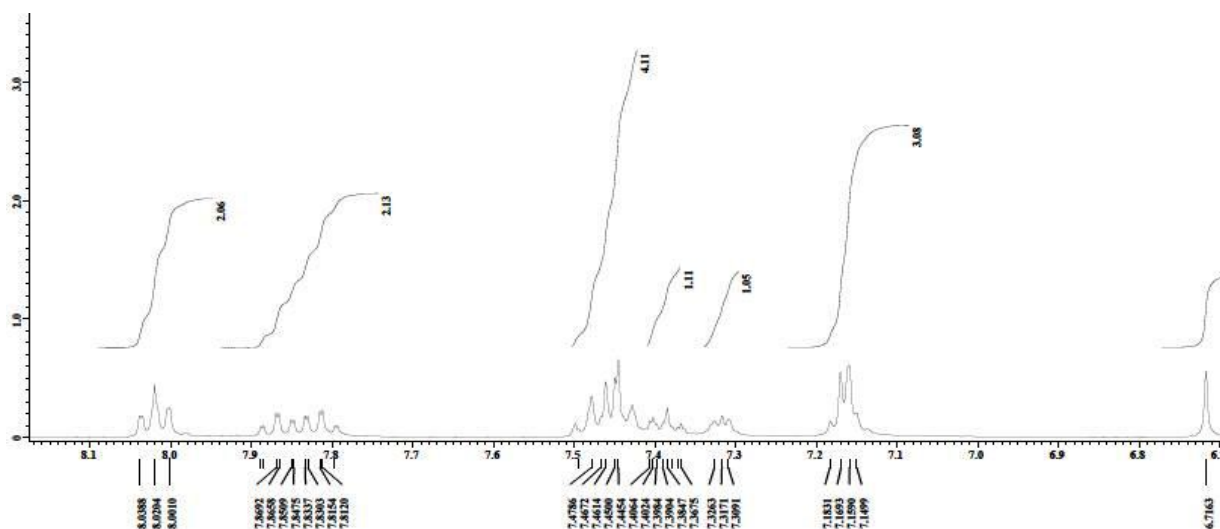
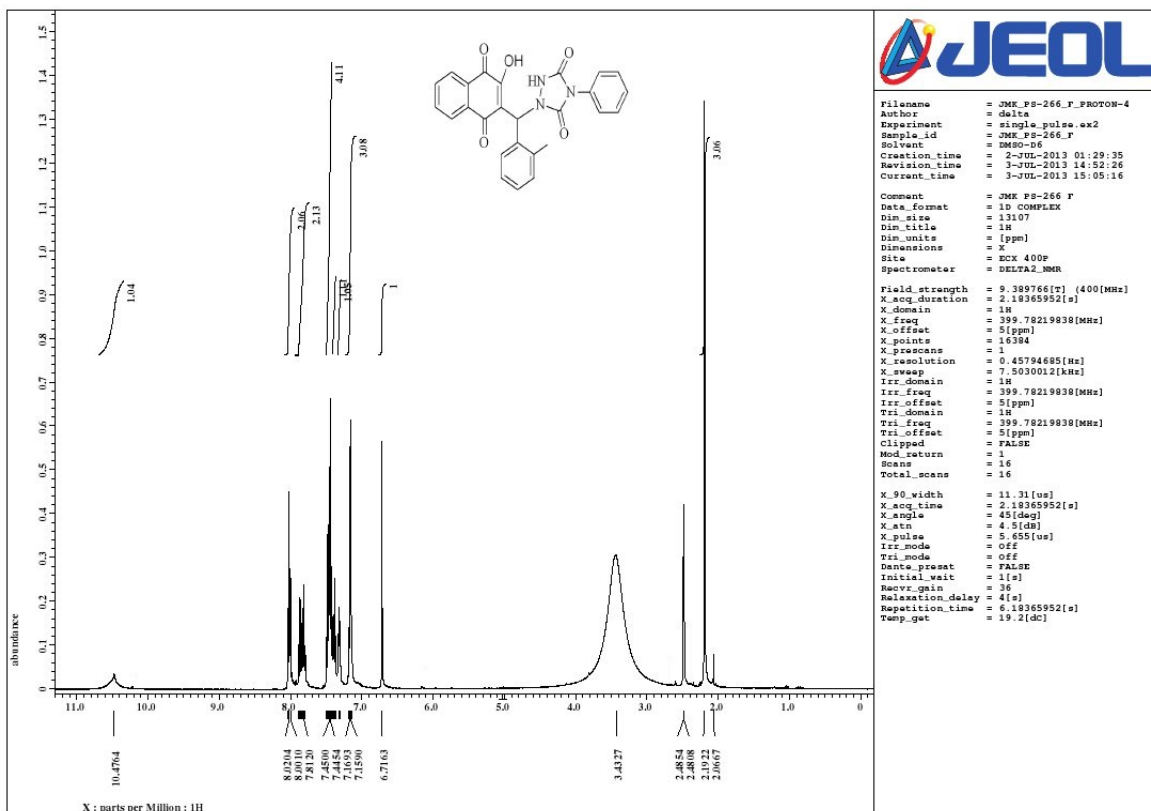


¹³C NMR of IVg in DMSO-d₆

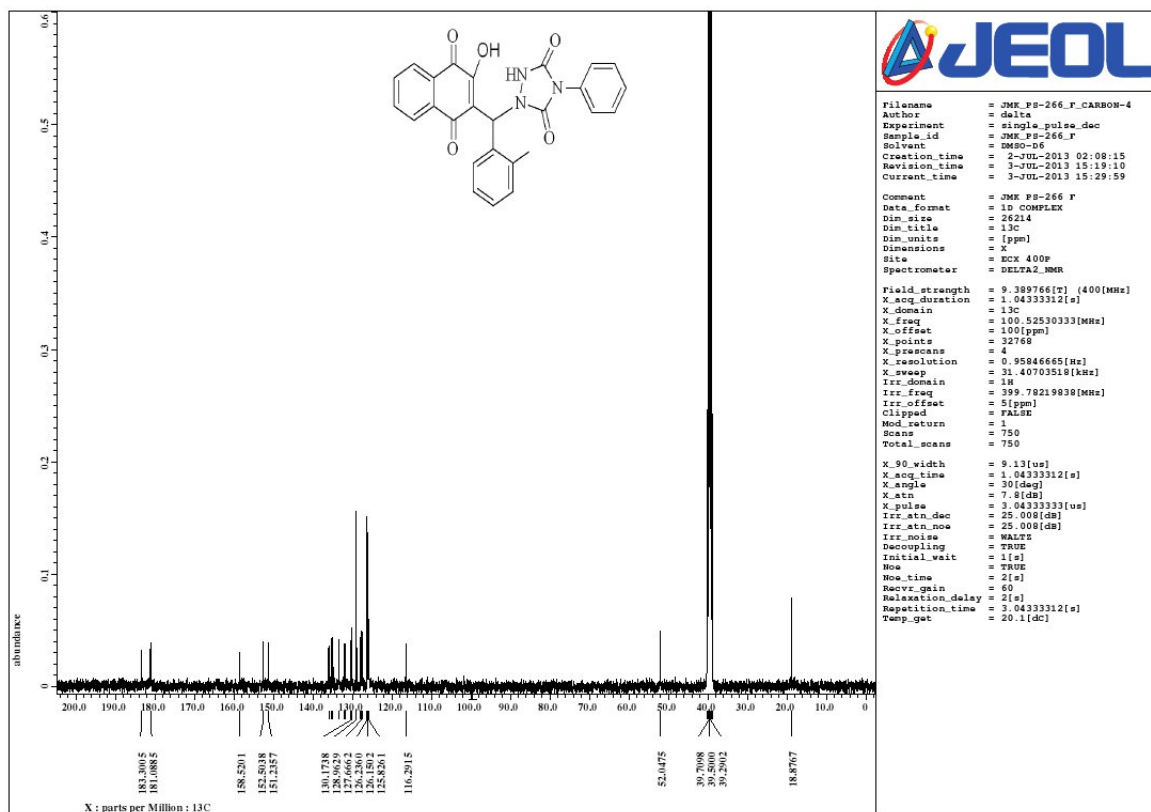


1-((3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)(2-methylphenyl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVh)

¹H NMR of IVh in DMSO-d₆

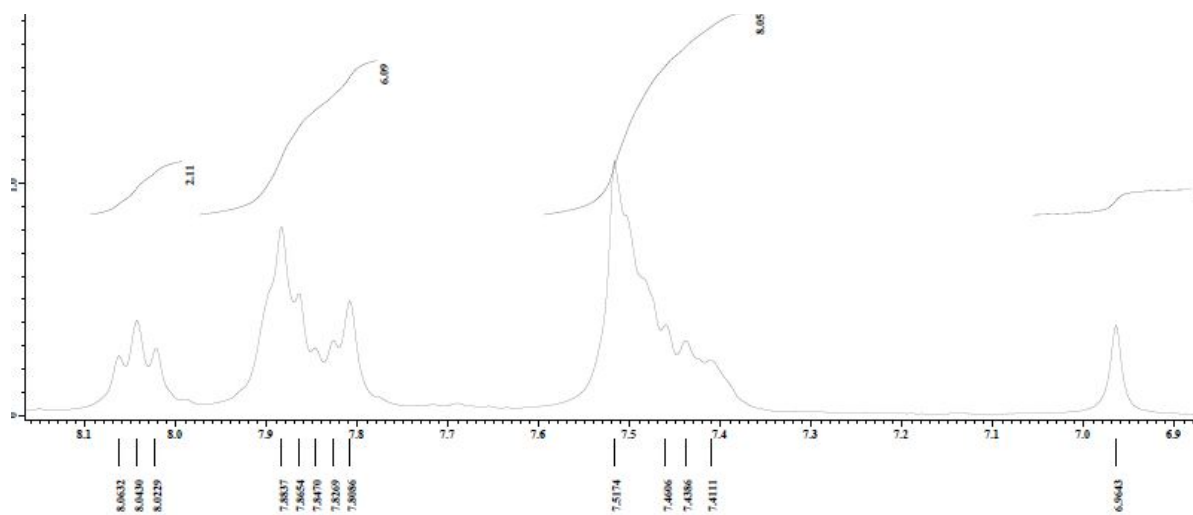
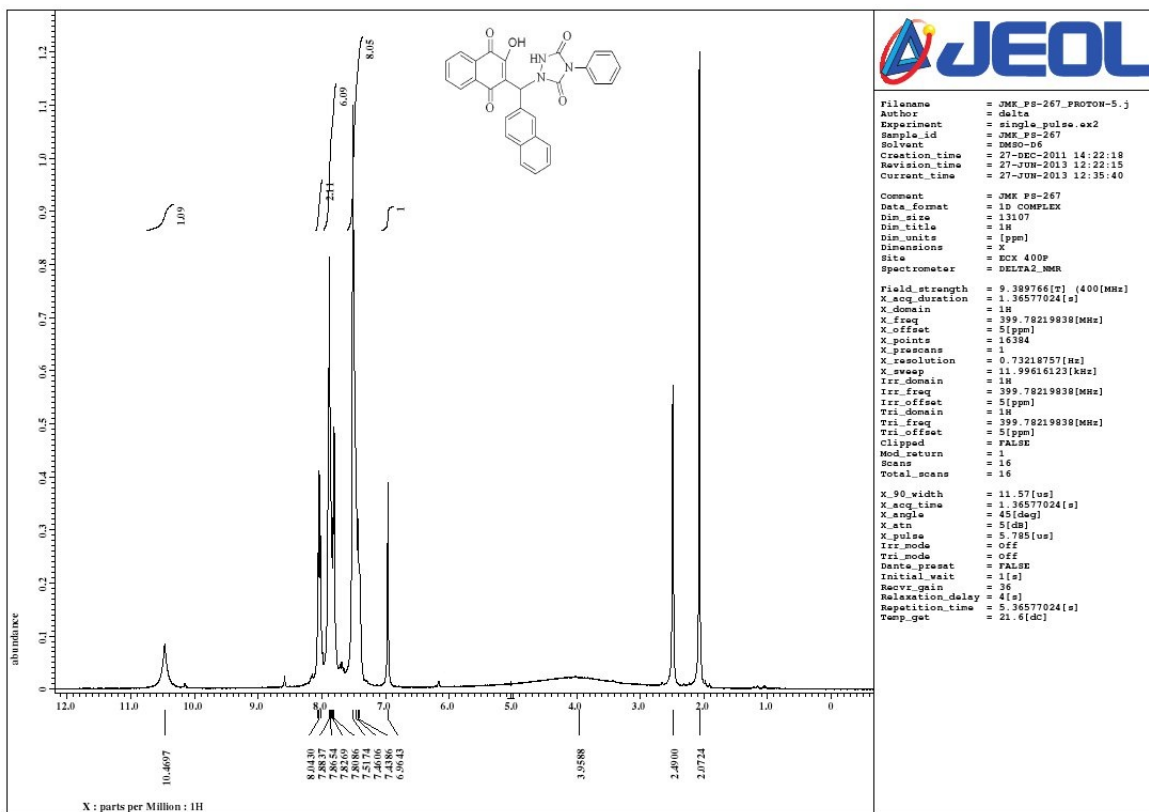


¹³C NMR of IVh in DMSO-d₆

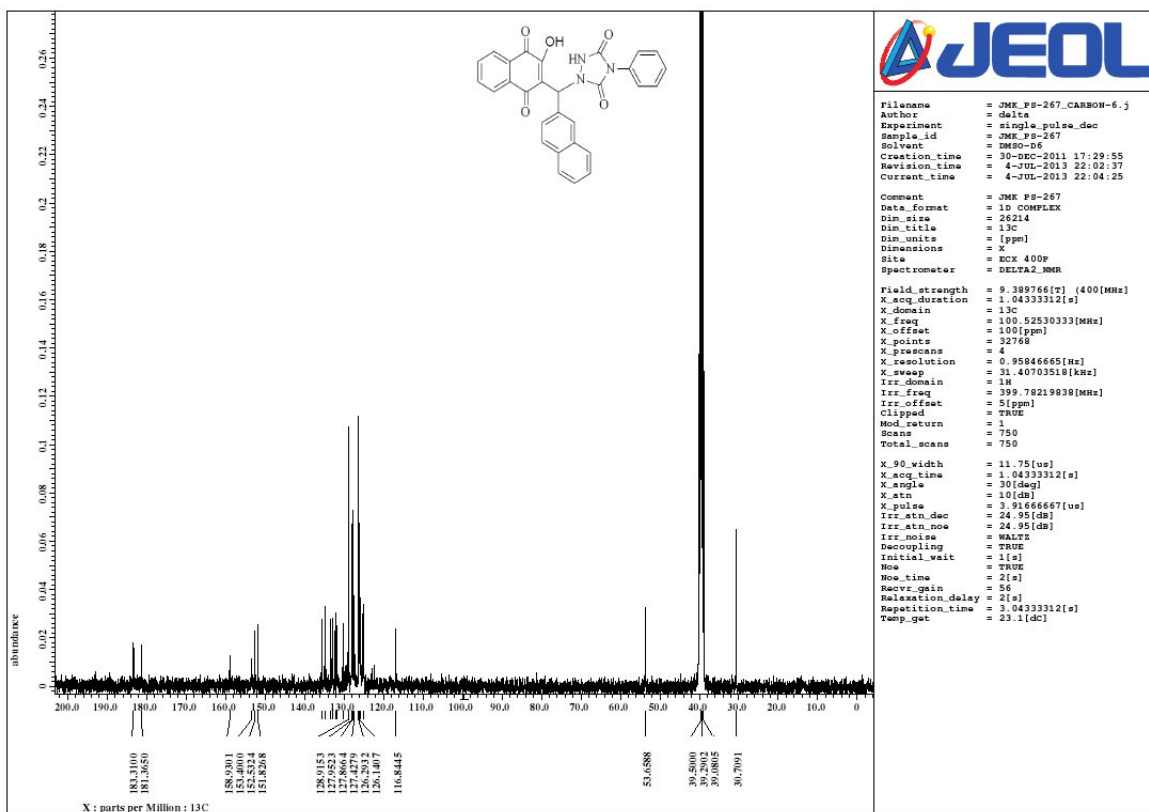


1-((3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)(naphthalen-2-yl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVi)

^1H NMR of IVi in DMSO- d_6

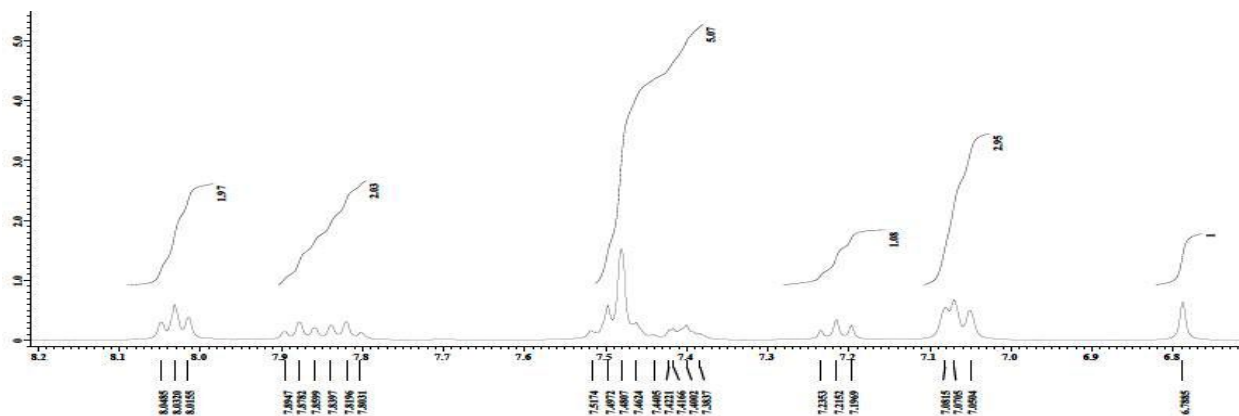
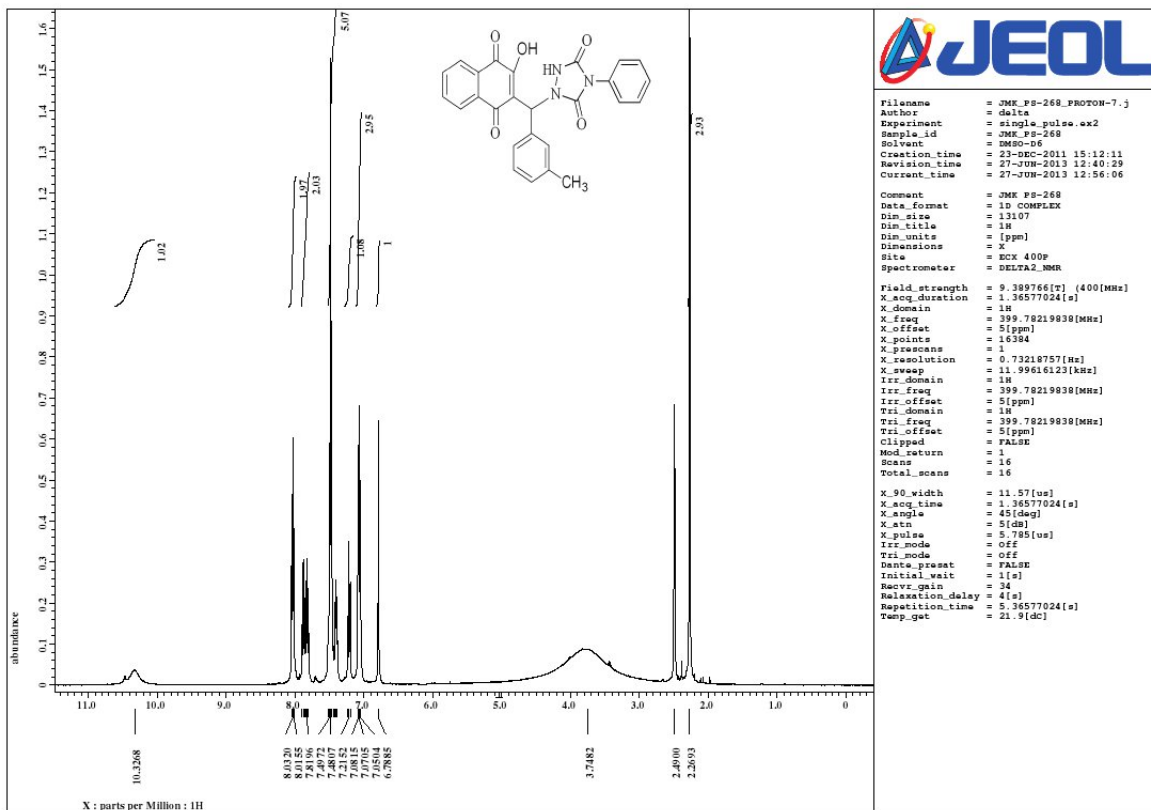


¹³C NMR of IVi in DMSO-d₆

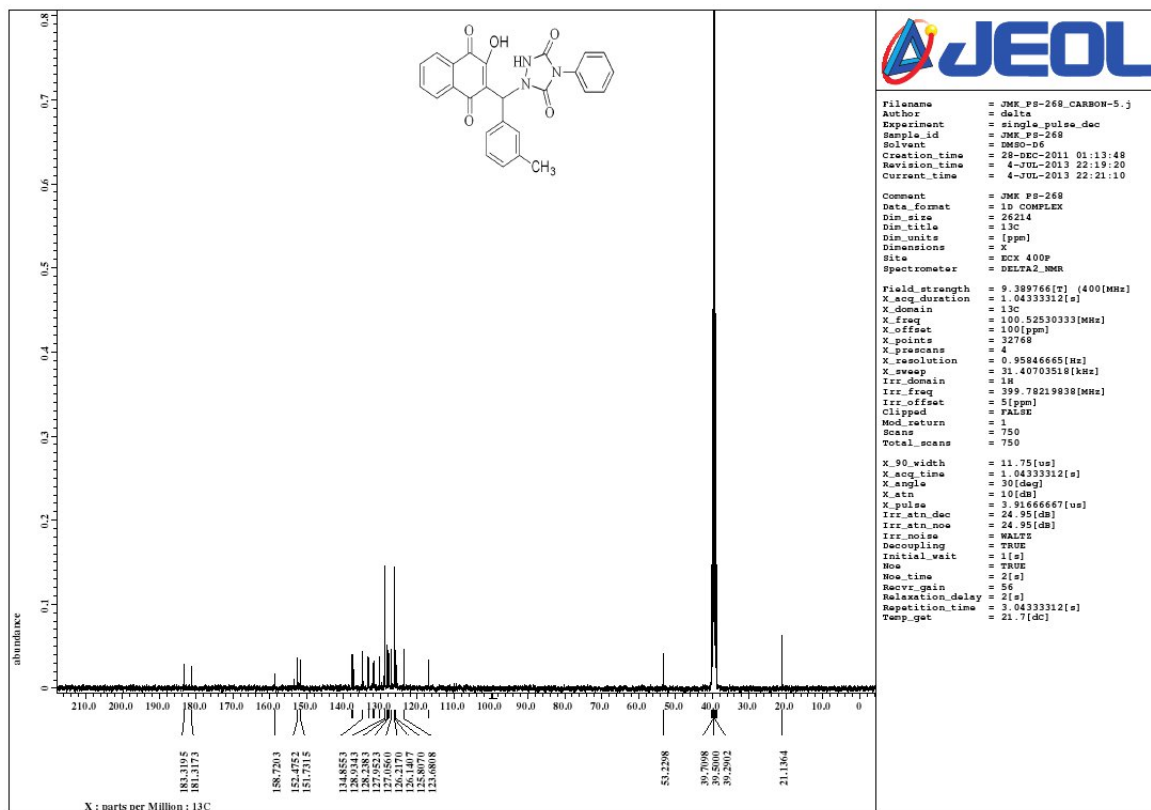


1-((3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)(3-methylphenyl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVj)

¹H NMR of IVj in DMSO-d₆

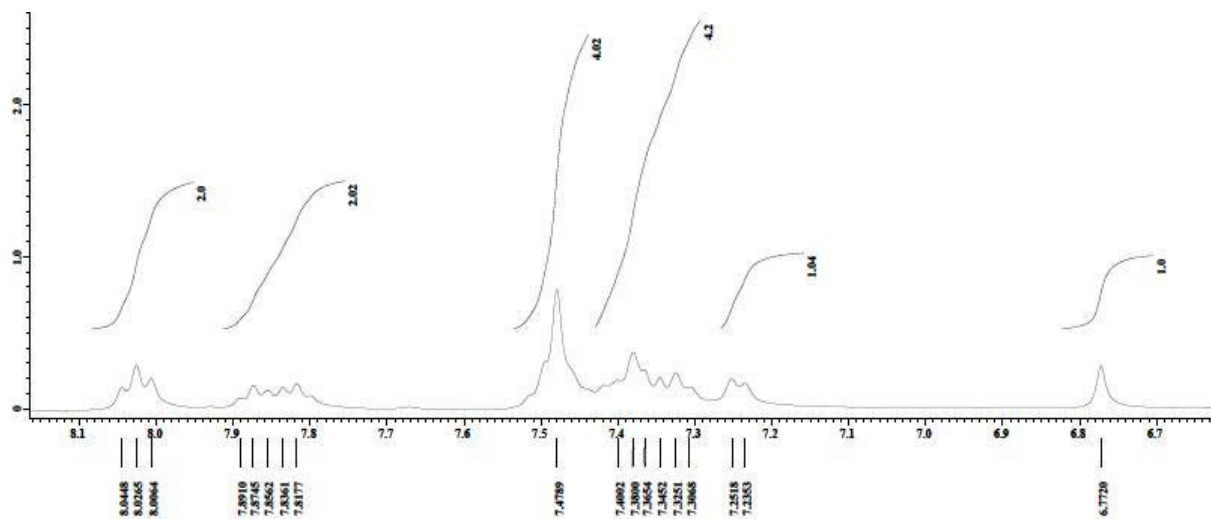
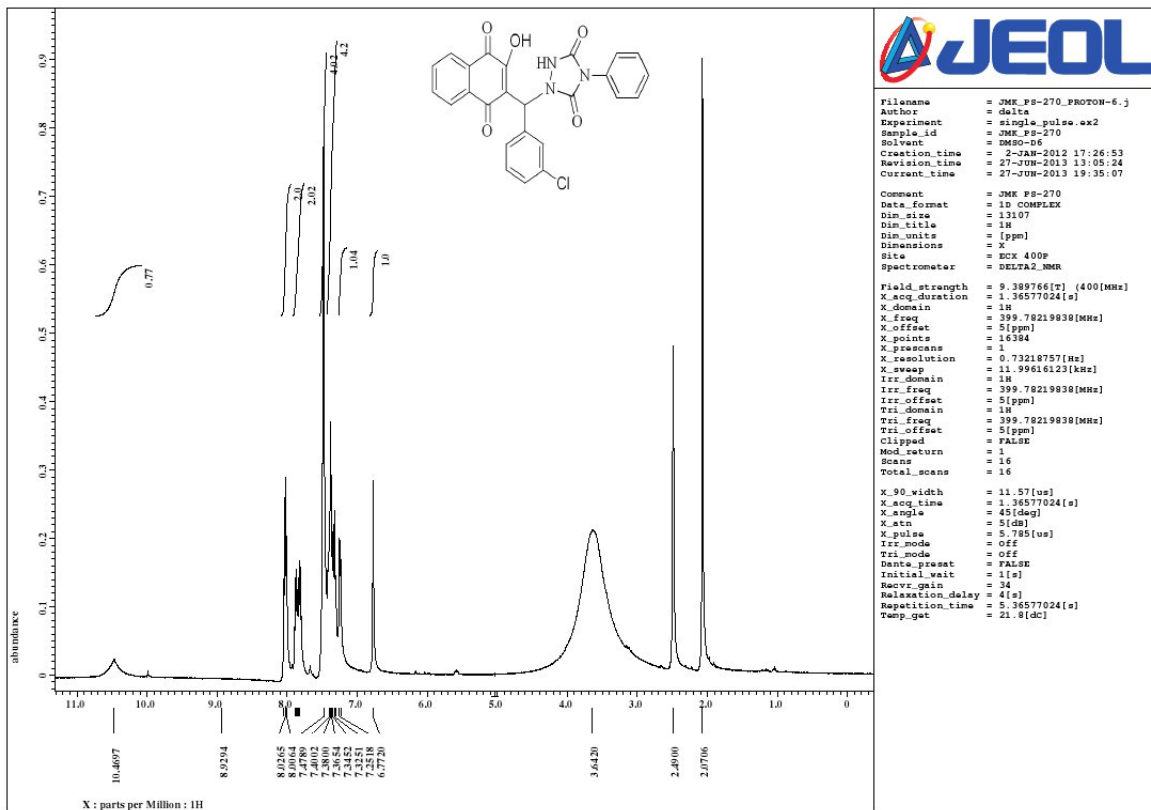


¹³C NMR of IVj in DMSO-d₆

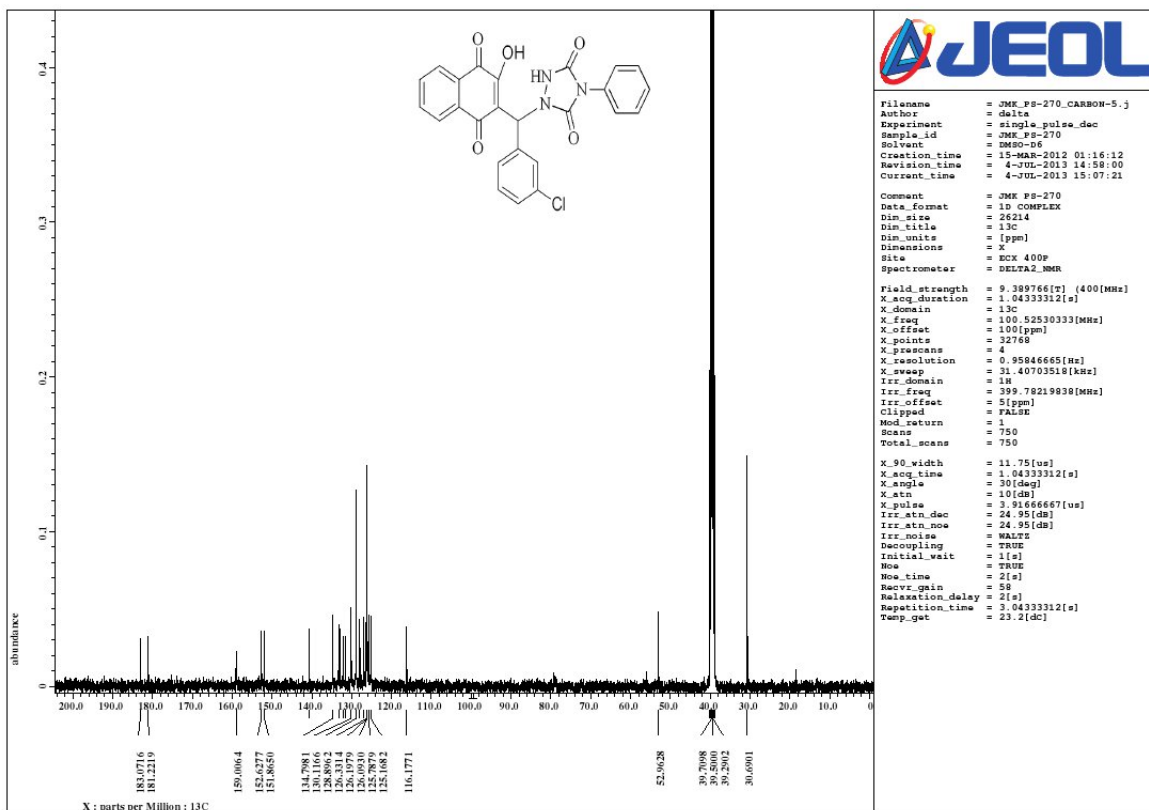


1-((3-chlorophenyl)(3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVk)

^1H NMR of IVk in DMSO- d_6

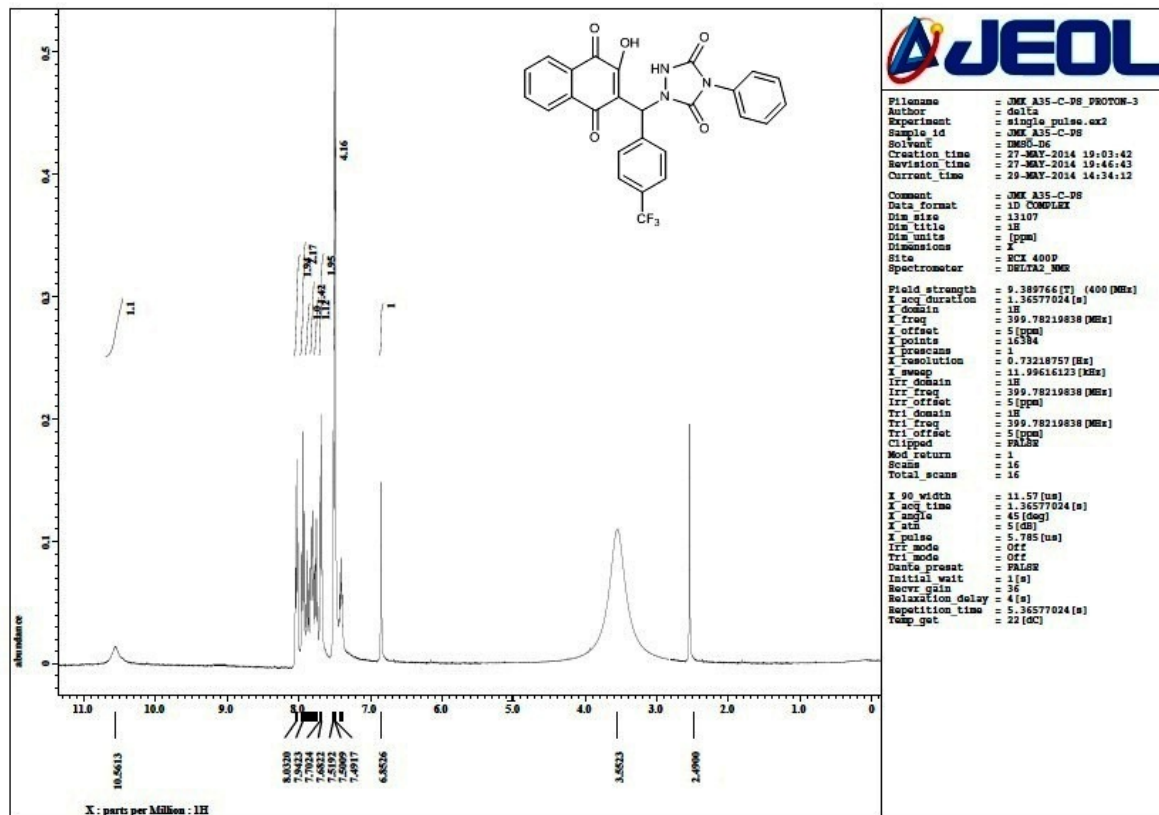


¹³C NMR of IVk in DMSO-d₆

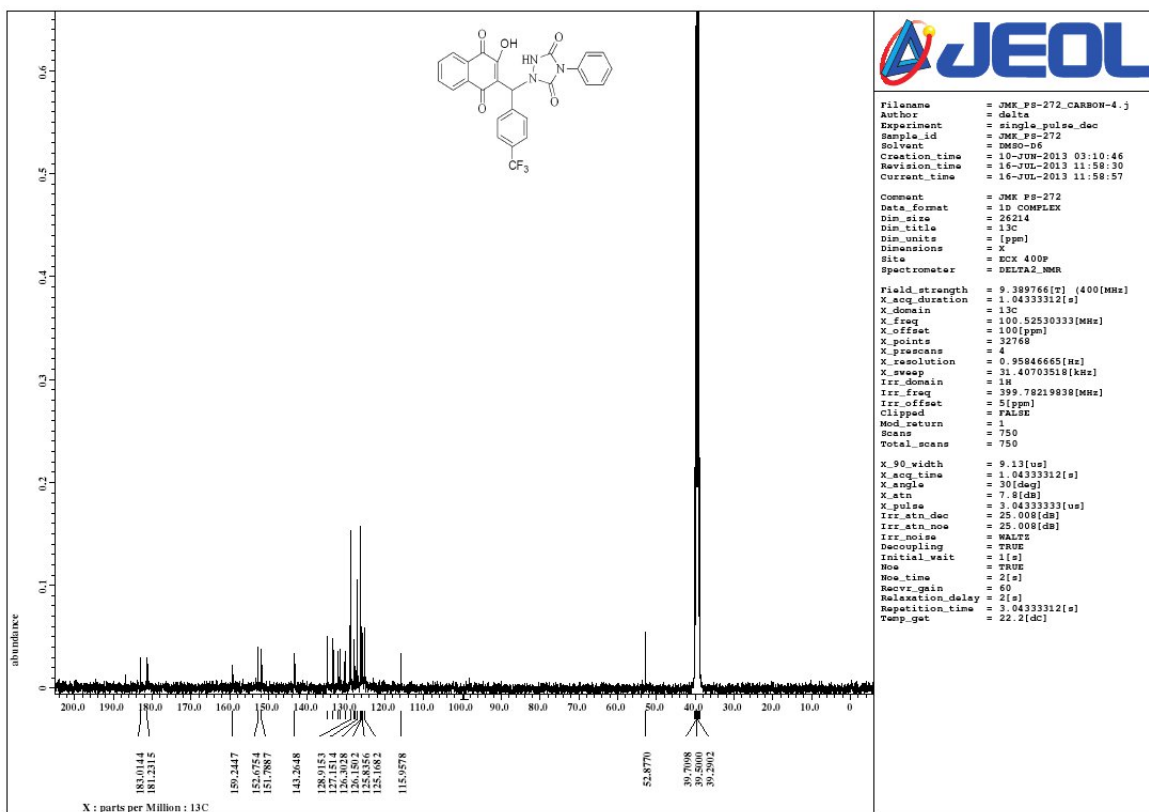


1-((3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)(4-(trifluoromethyl)phenyl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVI)

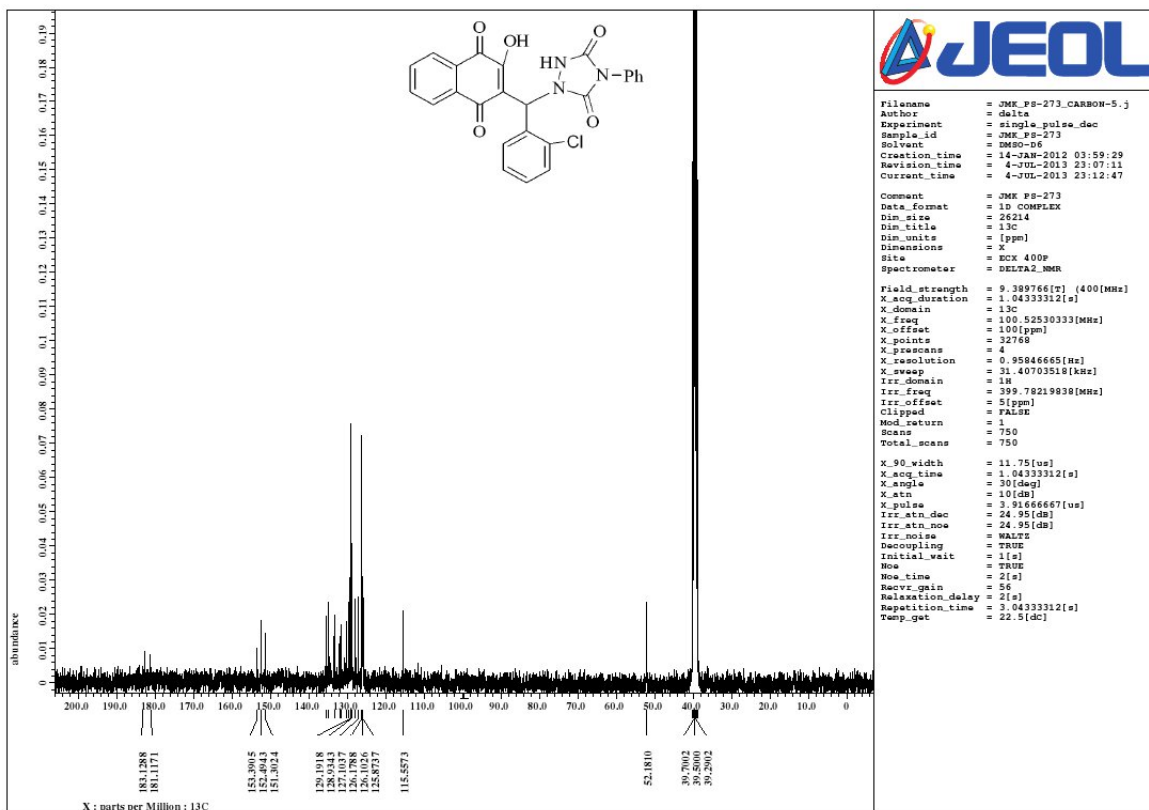
¹H NMR of IVI in DMSO-d₆



¹³C NMR of IVI in DMSO-d₆

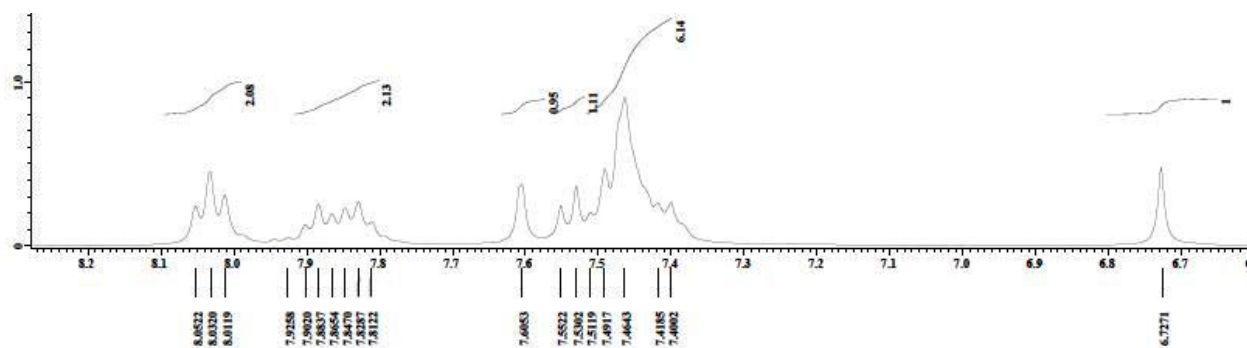
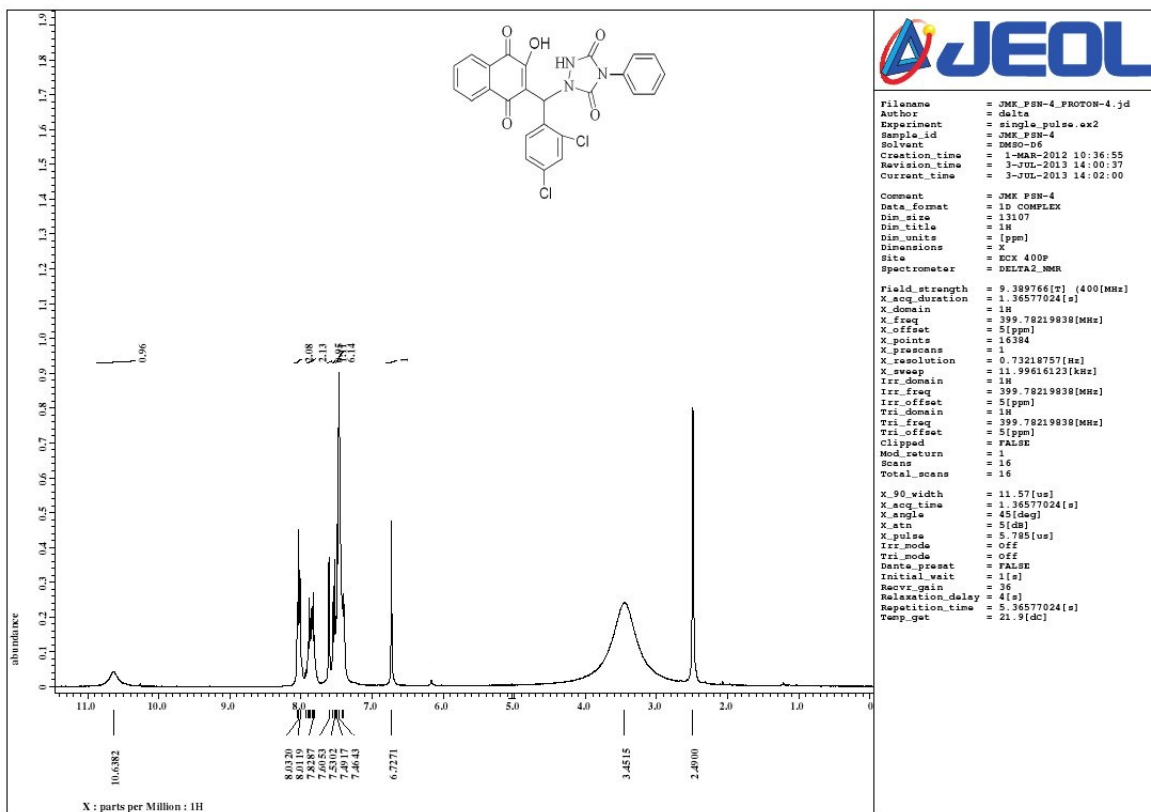


¹³C NMR of IVm in DMSO-d₆

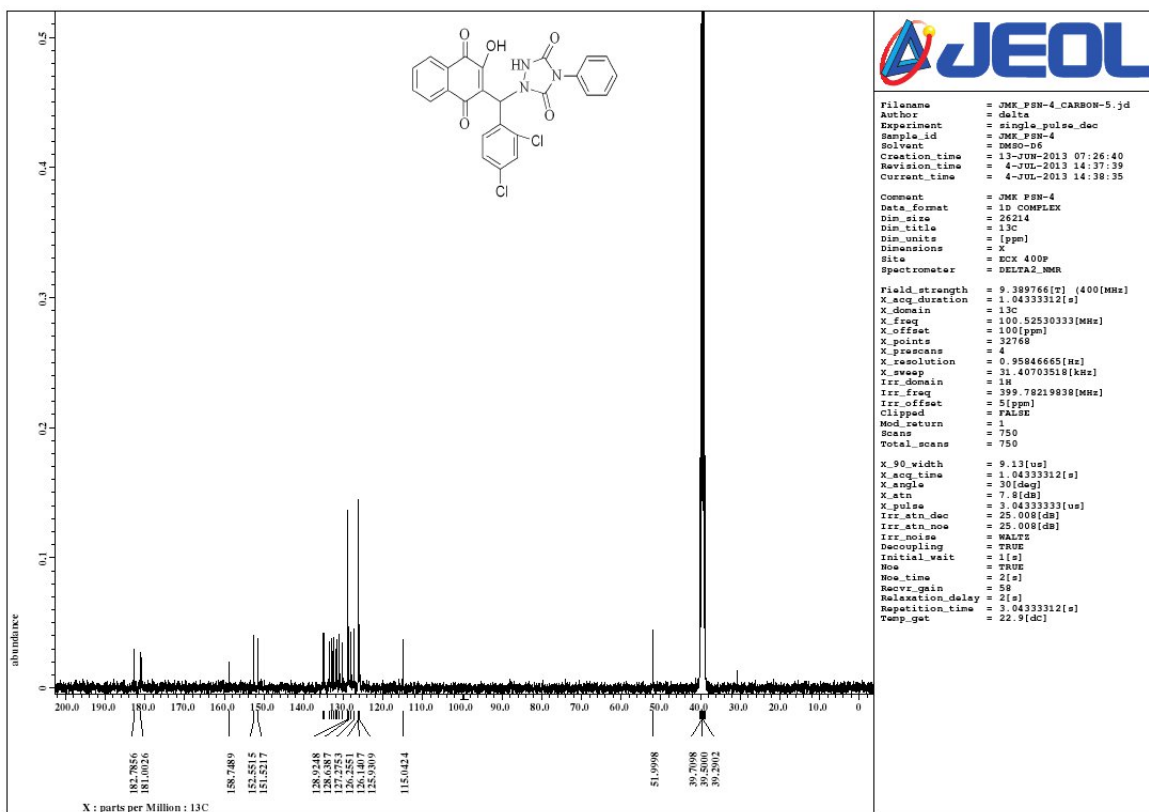


1-((2,4-dichlorophenyl)(3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)methyl)-4-phenyl-1,2,4-triazolidine-3,5-dione (IVn)

¹H NMR of IVn in DMSO-d₆

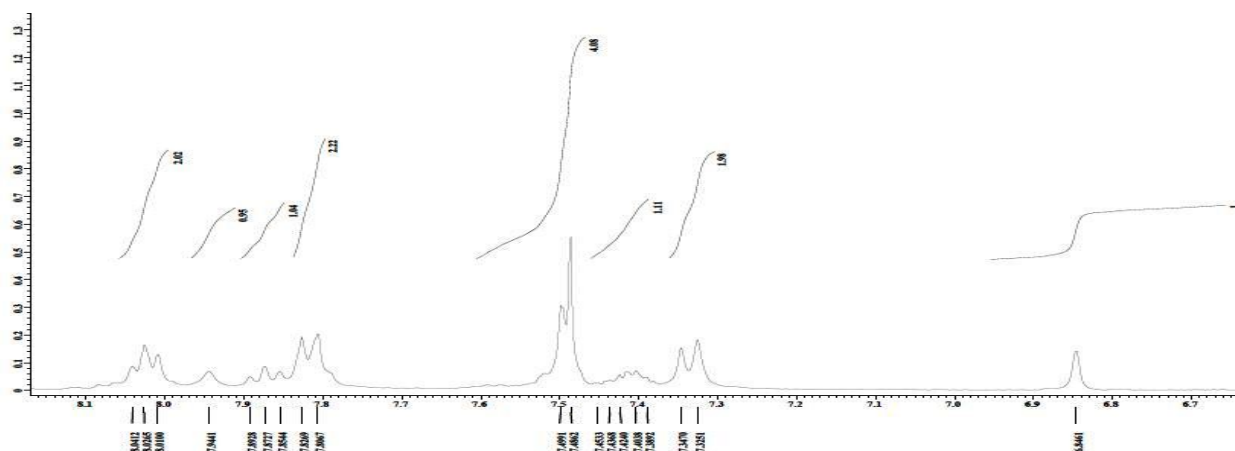
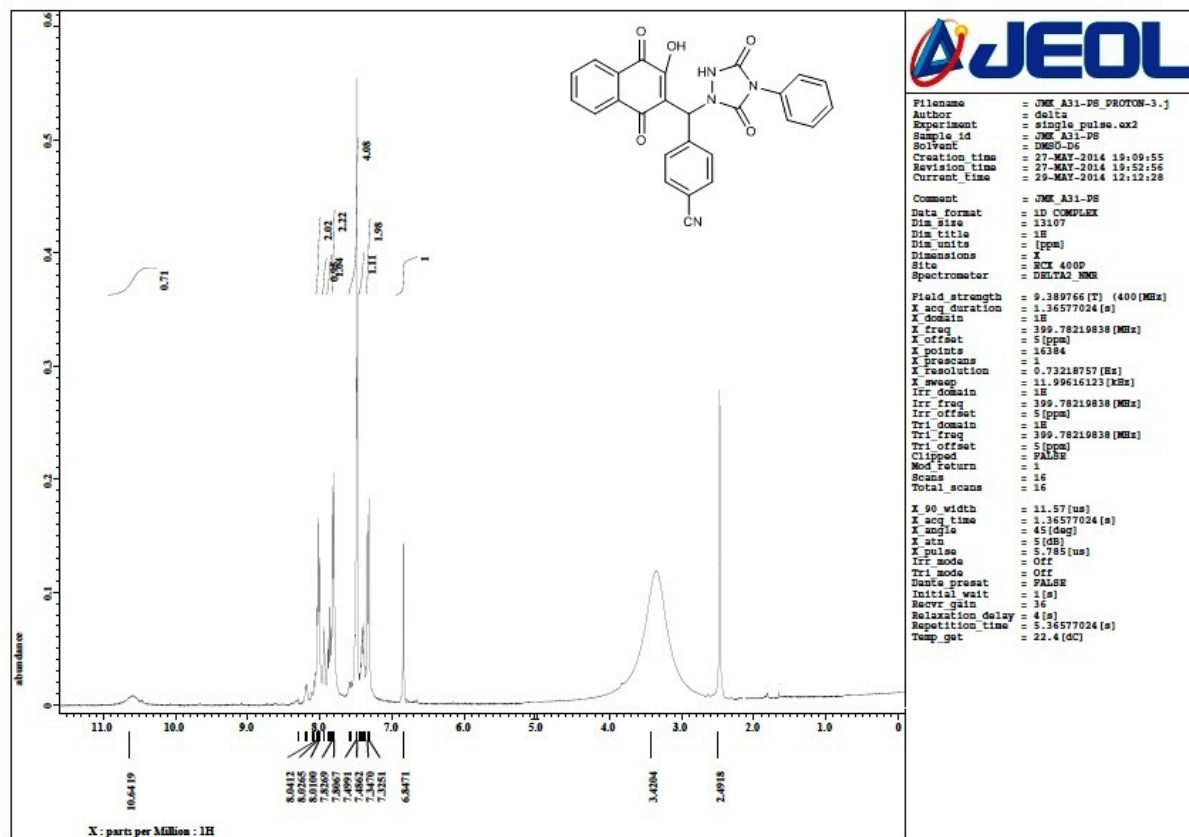


¹³C NMR of IVn in DMSO-d₆



4-((3,5-dioxo-4-phenyl-1,2,4-triazolidin-1-yl)(3-hydroxy-1,4-dioxo-1,4-dihydronaphthalen-2-yl)methyl)benzonitrile (IVo)

^1H NMR of IVo in DMSO-d_6



¹³C NMR of IVo in DMSO-d₆

