

## Supplementary Material

### **'Solvent-free' and 'on-solvent' multicomponent reaction of isatins, malononitrile, and bicyclic CH-acids: a fast and efficient way to a medicinally-privileged spirooxindole scaffold**

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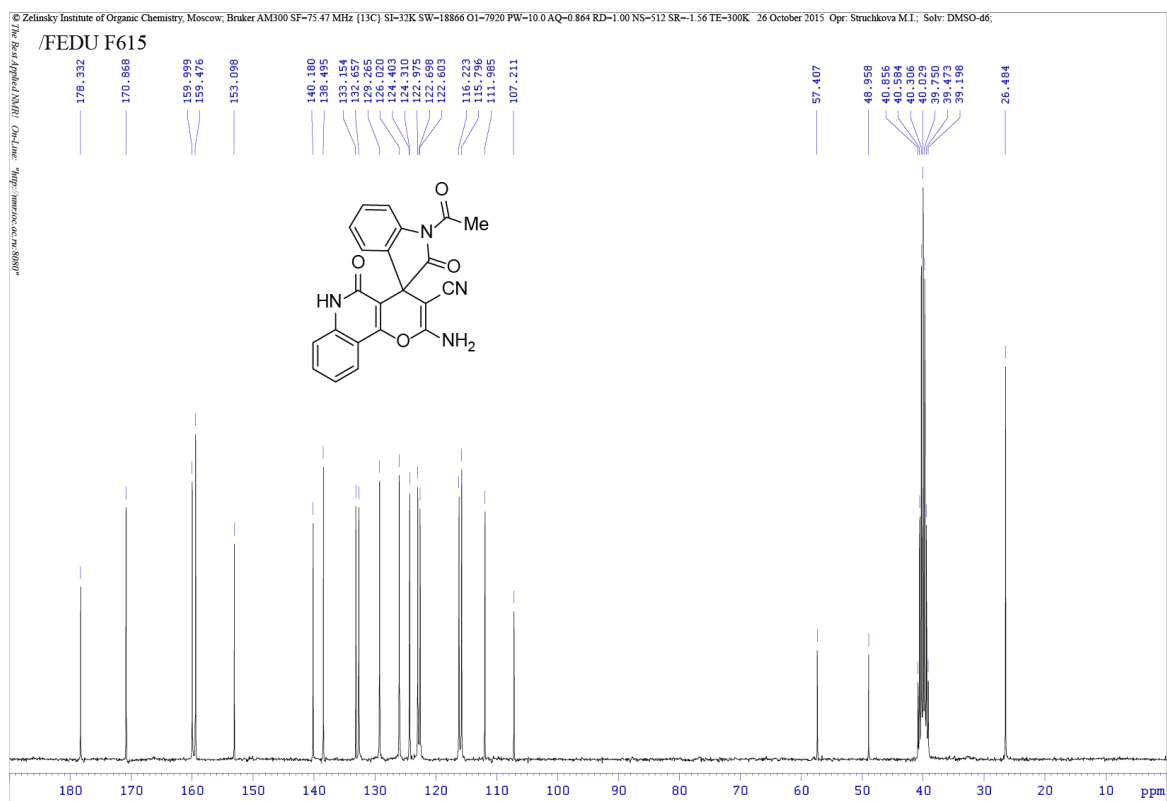
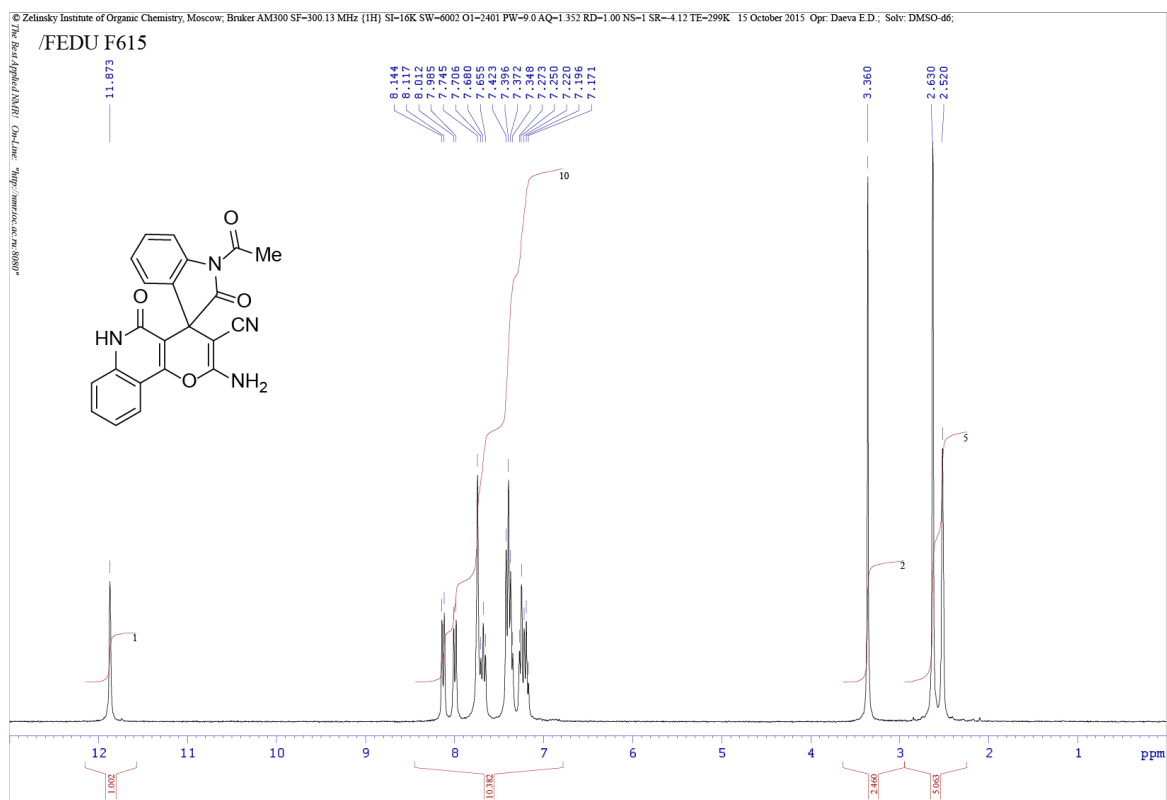
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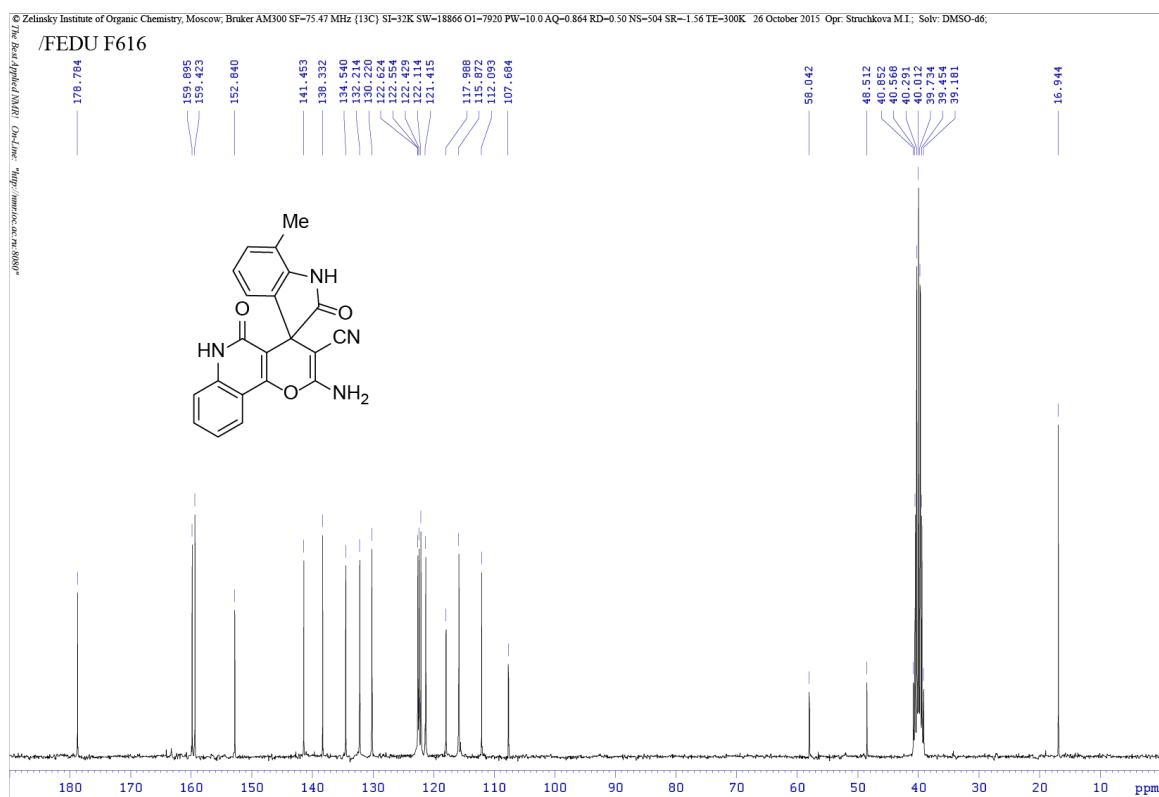
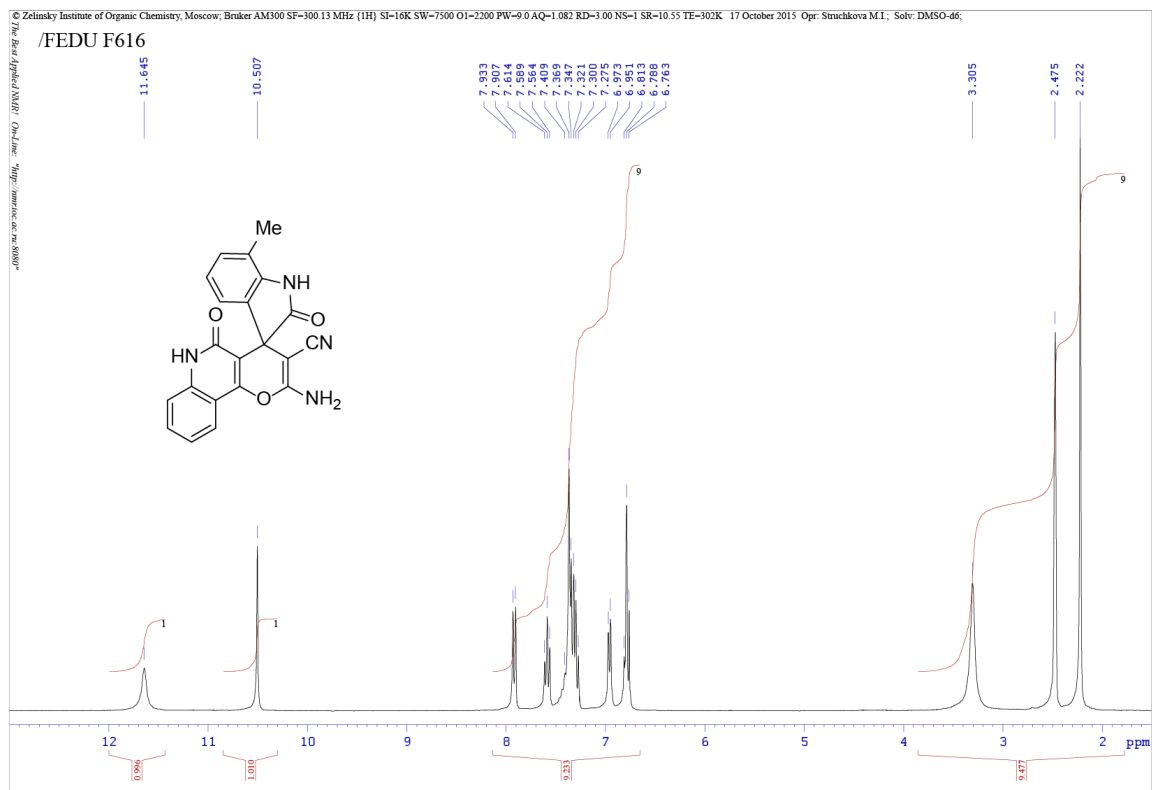
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| 1. $^1\text{H}$ and $^{13}\text{C}$ NMR spectra | S2 |
|---|----|

*1-Acetyl-2'-amino-2,5'-dioxo-5',6'-dihydrospiro[indoline-3,4'-pyrano[3,2-c]quinoline]-3'-carbonitrile (3d)*



*2'-Amino-7-methyl-2,5'-dioxo-5',6'-dihydrospiro[indoline-3,4'-pyrano[3,2-c]quinoline]-3'-carbonitrile (3i)*



2'-Amino-6',7-dimethyl-2,5'-dioxo-5',6'-dihydrospiro[indoline-3,4'-pyrano[3,2-c]quinoline]-3'-carbonitrile (**3j**)

