Supplementary Materials

2-(2,4-Difluorobenzylidene)hydrazine-1-carbothioamide (1)



Figure S1. IR spectrum.

2-(2,4-Difluorobenzylidene)hydrazine-1-carbothioamide (1)

Figure S2. Mass spectrum.



2-(2,4-Difluorobenzylidene)hydrazine-1-carbothioamide (1)

Figure S3. ¹H-NMR spectrum.



2-(2,4-Difluorobenzylidene)hydrazine-1-carbothioamide (1)



2-(2,4-Difluorobenzylidene)hydrazine-1-carbothioamide (1)

Figure S5. ¹⁹F-NMR spectrum.



2-(2,5-Difluorobenzylidene)hydrazine-1-carbothioamide (2)



Figure S6. IR spectrum.



Figure S7. Mass spectrum.

2-(2,5-Difluorobenzylidene)hydrazine-1-carbothioamide (2)

2-(2,5-Difluorobenzylidene)hydrazine-1-carbothioamide (2)

Figure S8. ¹H-NMR spectrum.



2-(2,5-Difluorobenzylidene)hydrazine-1-carbothioamide (2)



2-(2,5-Difluorobenzylidene)hydrazine-1-carbothioamide (2)

Figure S10. ¹⁹F-NMR spectrum.



2-(2,6-Difluorobenzylidene)hydrazine-1-carbothioamide (3)

Figure S11. IR spectrum.



2-(2,6-Difluorobenzylidene)hydrazine-1-carbothioamide (**3**)



Figure S12. Mass spectrum.

2-(2,6-Difluorobenzylidene)hydrazine-1-carbothioamide (3)





2-(2,6-Difluorobenzylidene)hydrazine-1-carbothioamide (3)

Figure S14. ¹³C-NMR spectrum.



2-(2,6-Difluorobenzylidene)hydrazine-1-carbothioamide (3)





2-(3,4-Difluorobenzylidene)hydrazine-1-carbothioamide (4)



Figure S16. IR spectrum.

2-(3,4-Difluorobenzylidene)hydrazine-1-carbothioamide (4)





2-(3,4-Difluorobenzylidene)hydrazine-1-carbothioamide (4)

Figure S18. ¹H-NMR spectrum.



2-(3,4-Difluorobenzylidene)hydrazine-1-carbothioamide (4)

Figure S19. ¹³C-NMR spectrum.



2-(3,4-Difluorobenzylidene)hydrazine-1-carbothioamide (4)

Figure S20. ¹⁹F-NMR spectrum.



2-(3,5-Difluorobenzylidene)hydrazine-1-carbothioamide (5)



Figure S21. IR spectrum.

2-(3,5-Difluorobenzylidene)hydrazine-1-carbothioamide (5)

Figure 22. Mass spectrum.



2-(3,5-Difluorobenzylidene)hydrazine-1-carbothioamide (5)

Figure S23. ¹H-NMR spectrum.



2-(3,5-Difluorobenzylidene)hydrazine-1-carbothioamide (5)

Figure S24. ¹³C-NMR spectrum.



2-(3,5-Difluorobenzylidene)hydrazine-1-carbothioamide (5)

Figure S25. ¹⁹F-NMR spectrum.



2-(4-Fluoropphenyl)(phenyl)methylene)benzylidene)hydrazine-1-carbothioamide (6)



Figure S26. IR spectrum.

2-(4-Fluoropphenyl)(phenyl)methylene)benzylidene)hydrazine-1-carbothioamide (6)

Figure S27. Mass spectrum.



2-(4-Fluoropphenyl)(phenyl)methylene)benzylidene)hydrazine-1-carbothioamide (6)



Figure S28. ¹H-NMR spectrum.

2-(4-Fluoropphenyl)(phenyl)methylene)benzylidene)hydrazine-1-carbothioamide (6)





2-(4-Fluoropphenyl)(phenyl)methylene)benzylidene)hydrazine-1-carbothioamide (6)

Figure S30. ¹⁹F-NMR spectrum.

