SUPPLEMENTARY MATERIALS

Aksinenko A.Yu., Kalashnikova I.P., Sokolov V.B., Carbamoylimines of Methyltrifluoropyruvate in the Diels-Alder's Azareaction with Cyclopentadiene, Biomedical Chemistry: Research and Methods, 2018, 1(3), e00016.

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NMR spectra of compounds 2a,b and 3a.b

The ¹H, ¹³C, and ¹⁹F NMR spectra were recorded on Bruker DXP («Bruker Daltonics», USA) at 200.13, 50, and 188 MHz, respectively, in CDCl₃ using tetramethylsilane as an internal standard and CCl₃F as an external standard. Chemical shifts are reported in ppm units with the use of δ scale.



¹H NMR spectrum and the same with ${}^{1}H{}^{19}F{}$ proton-fluorine decoupling of compound 2a



¹H NMR spectrum of compound **2a** with homonuclear decoupling at different frequencies



¹H NMR spectrum of compound **2a** with homonuclear decoupling at different frequencies



 ^{13}C NMR spectrum and DEPT spectrum of compound 2a



¹⁹F NMR spectrum of compound **2a**

19F_2a.dx



¹H NMR spectrum of compound **2b** and the same with ${}^{1}H{}^{19}F{}$ proton-fluorine decoupling



¹³C NMR spectrum of compound **2b**



¹⁹F NMR spectrum of compound **2b**



¹H NMR spectrum of compound **3a** and the same with ${}^{1}H{}^{19}F{}$ proton-fluorine decoupling



 ^{13}C NMR spectrum and DEPT spectrum of mixture of compounds **3aA** and **3aB**



¹⁹F NMR spectrum of mixture of compounds **3aA** and **3aB**



¹H NMR spectrum of mixture of compounds **3bA** and **3bB**



¹⁹F NMR spectrum of mixture of compounds **3bA** and **3bB**