

Antibiotics

Supplementary Materials

Synthesis and antimicrobial activity of sulfenimines based on pinane hydroxythiols

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Chemical structure of compound 10: CC1(C)CC(C2=CC(=C(C=C2)O)S1)C3=CC(=C(C=C3)O)I

¹H NMR spectrum (CDCl₃):

- 8.34, 7.98, 7.98, 7.41, 7.41, 3.83, 3.79, 3.77, 3.74, 3.71, 3.68, 3.66, 3.64, 3.63, 3.62, 3.61, 3.59, 2.69, 2.64, 2.61, 2.51, 2.49, 2.48, 2.46, 2.44, 2.27, 2.26, 2.25, 2.24, 2.21, 2.21, 2.20, 2.17, 2.17, 2.06, 2.04, 1.27, 1.25, 1.14, 1.11, 1.02 ppm

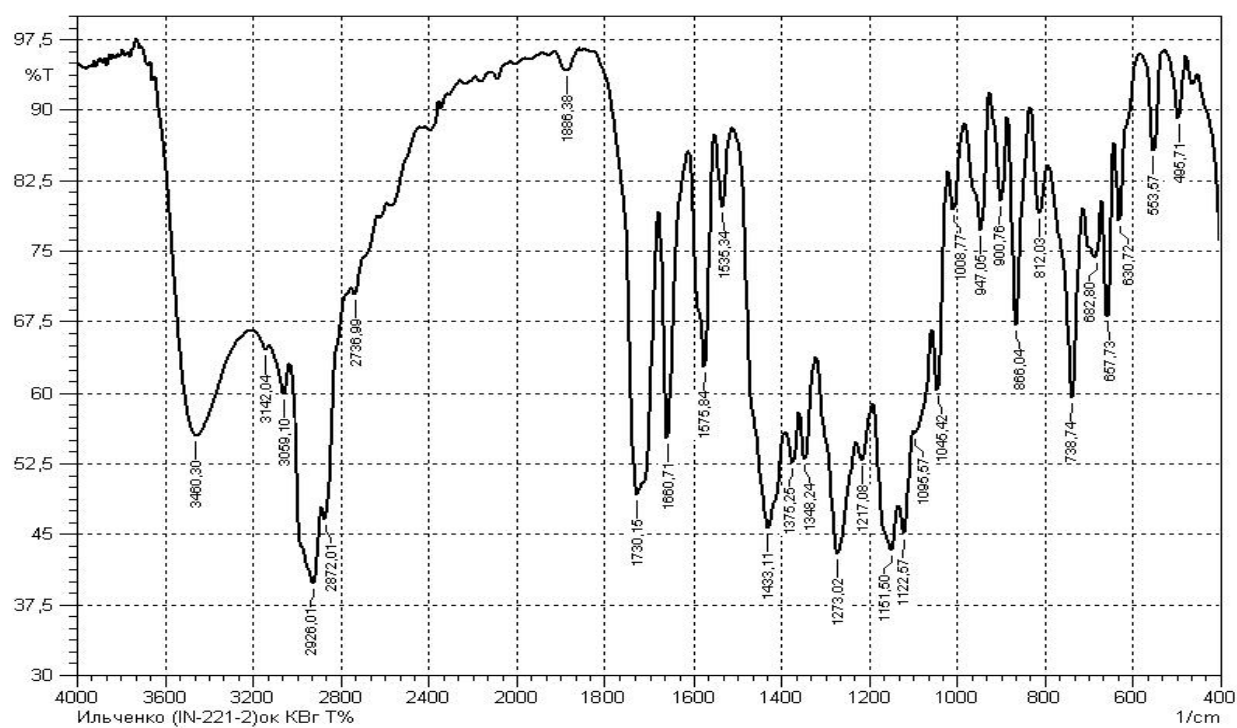
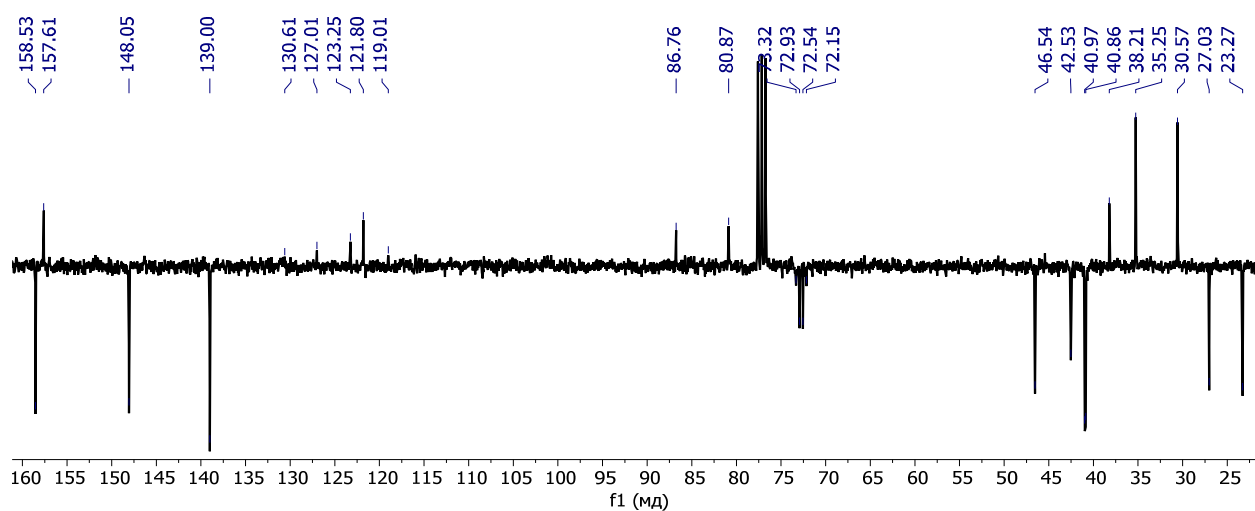
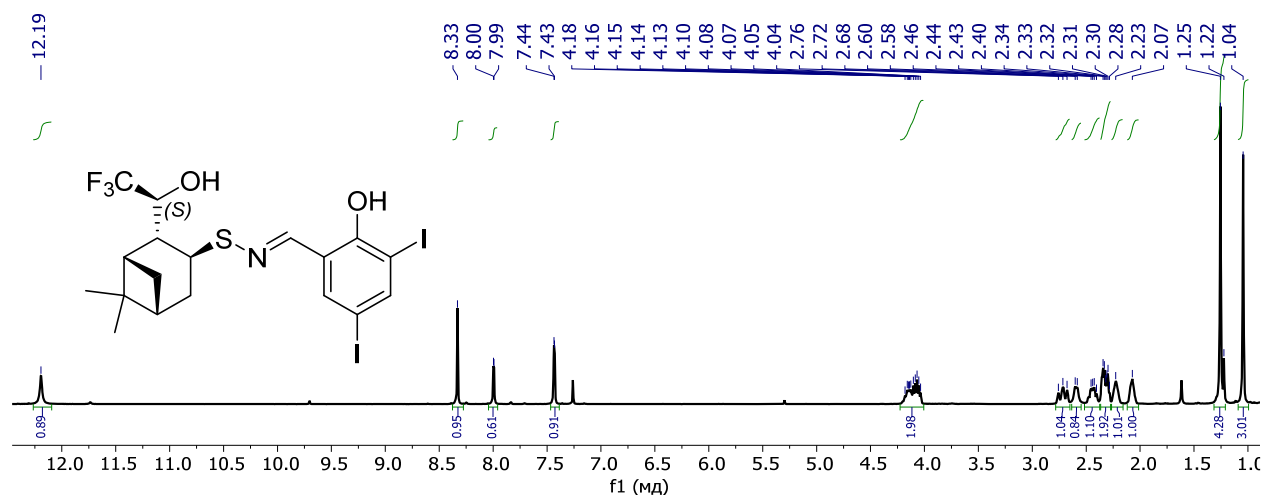
¹³C NMR spectrum (CDCl₃):

- 158.46, 157.71, 147.85, 138.86, 121.81, 86.66, 80.78, 66.18, 42.85, 42.64, 41.85, 38.92, 35.61, 32.54, 27.60, 23.60 ppm

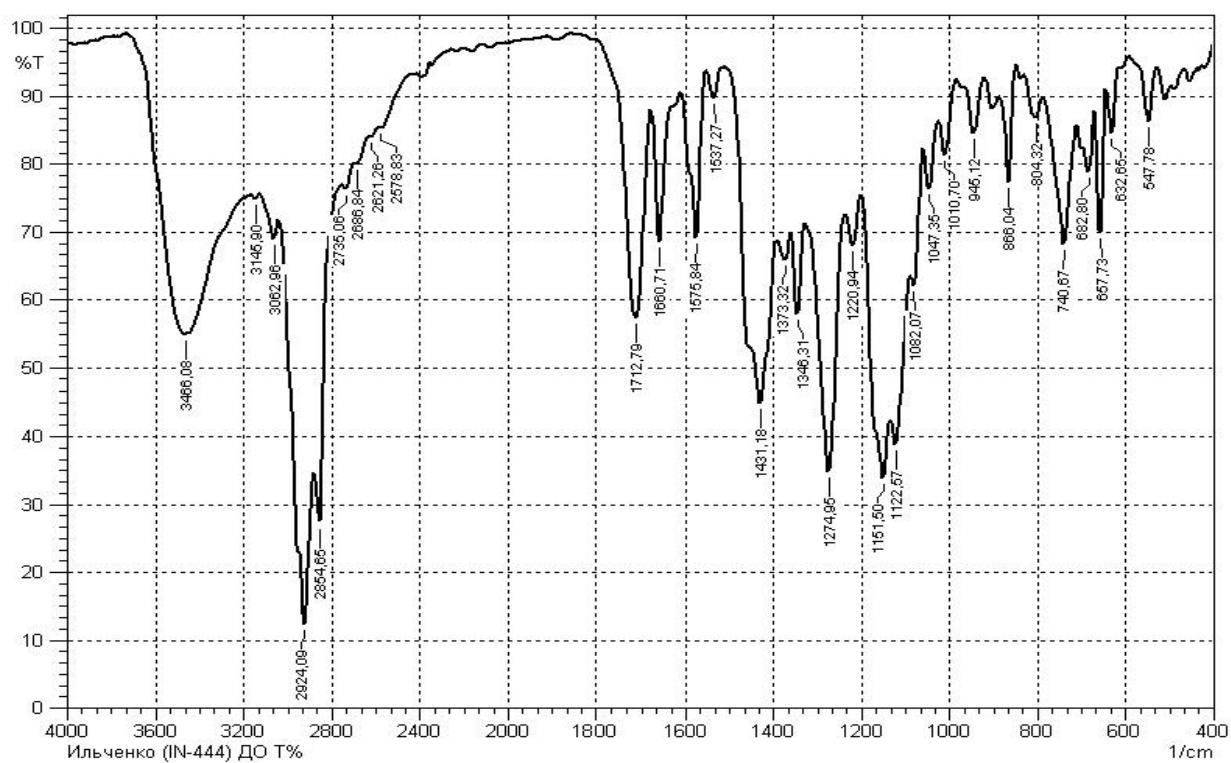
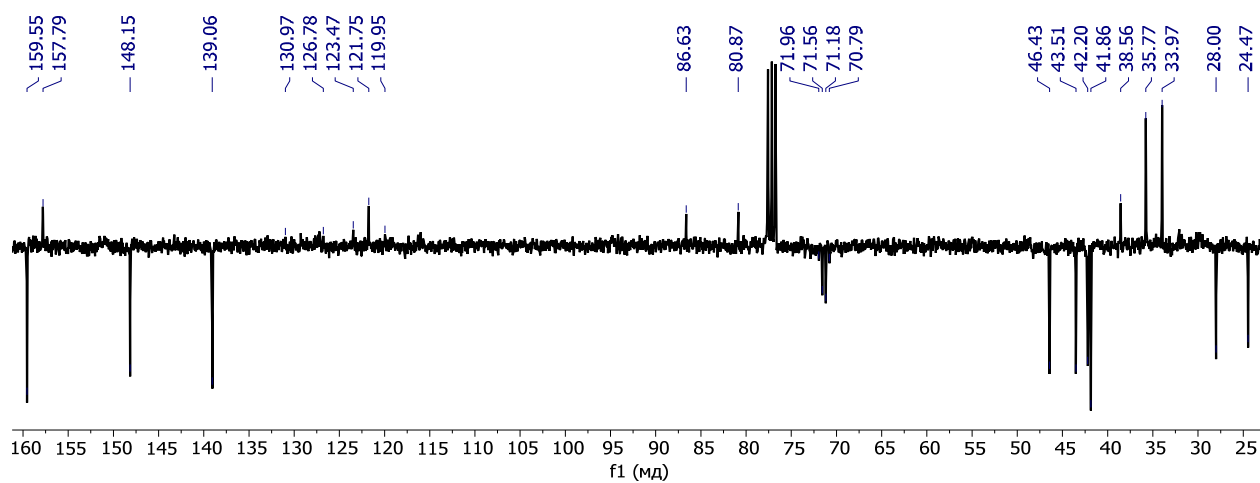
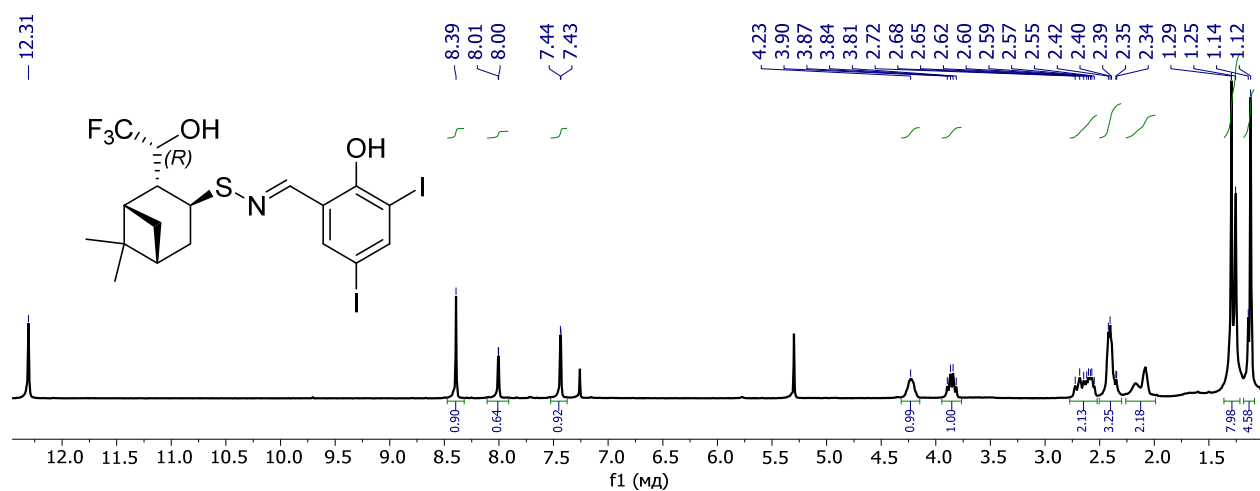
IR spectrum (KBr):

- 3404.36, 3383.14, 3059.10, 2983.88, 2924.09, 2873.94, 2738.98, 2619.33, 2576.90, 2167.99, 2076.41, 1741.72, 1668.78, 1673.91, 1633.41, 1573.91, 1431.18, 1394.89, 1366.50, 1346.31, 1271.08, 1217.08, 1153.43, 1091.71, 1046.42, 995.27, 947.05, 864.11, 802.38, 738.74, 669.86, 630.72, 561.84, 507.28, 432.05 cm⁻¹

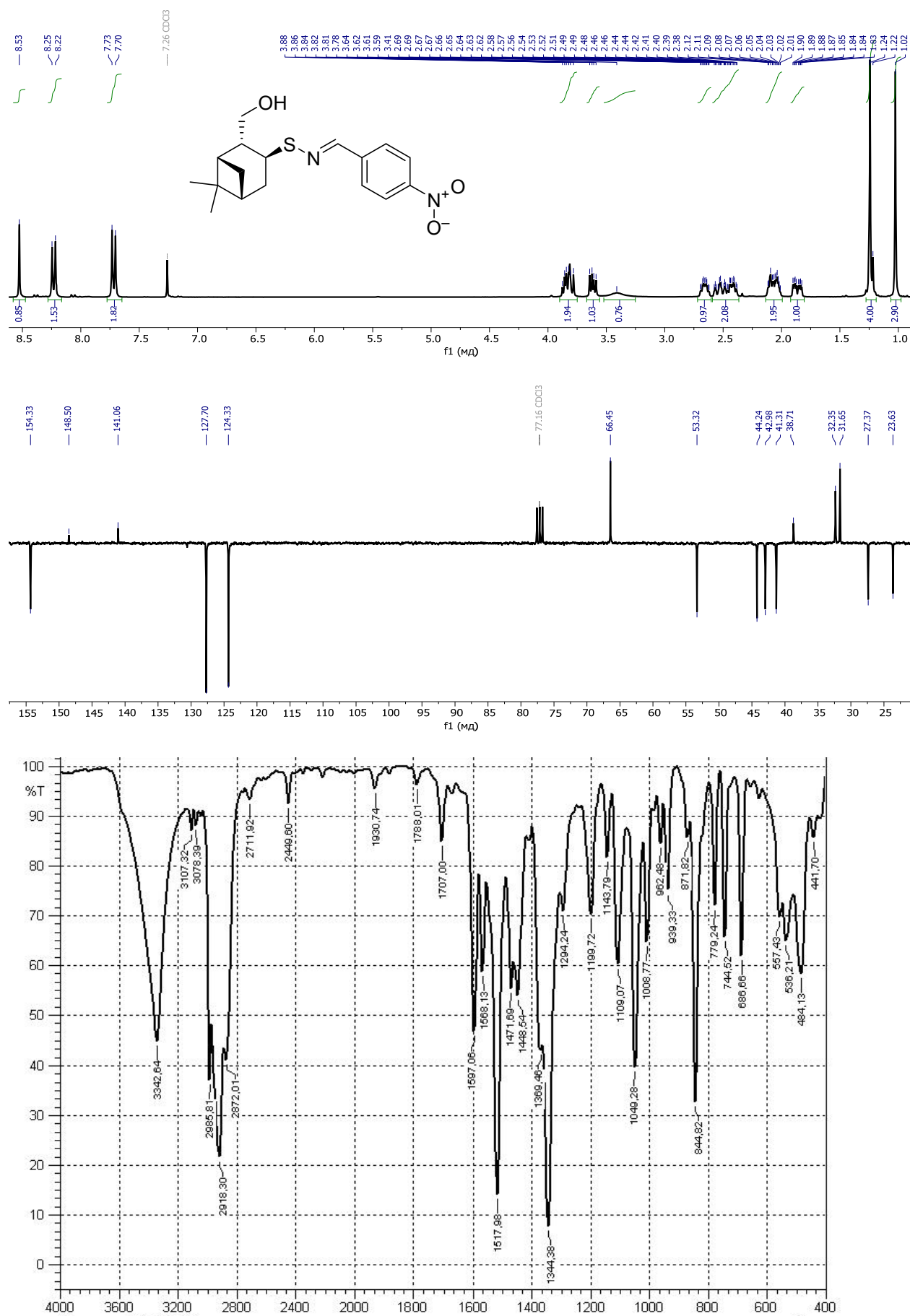
^1H , ^{13}C (JMOD) NMR and IR spectra of compound 8a



^1H , ^{13}C (JMOD) NMR and IR spectra of compound 9a

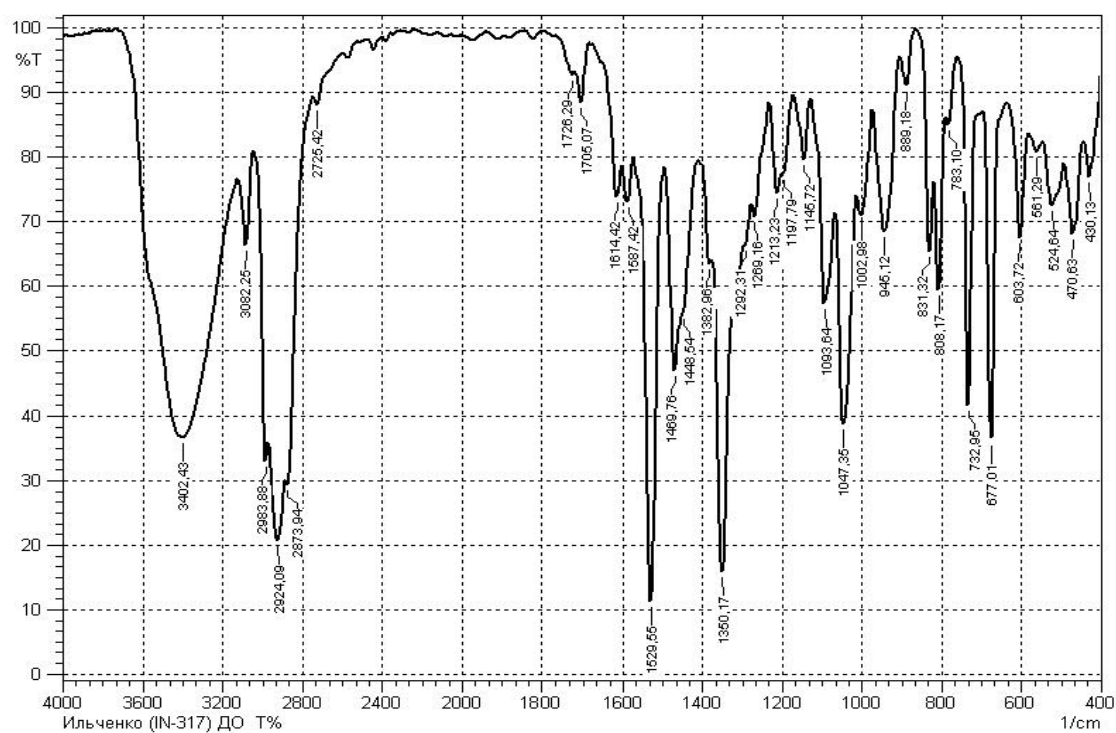
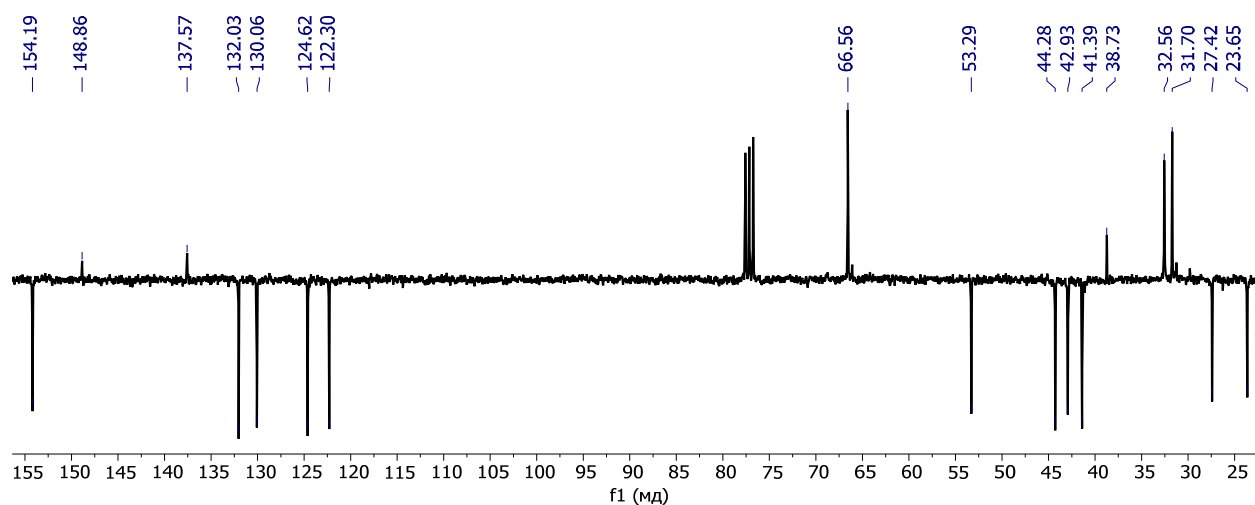
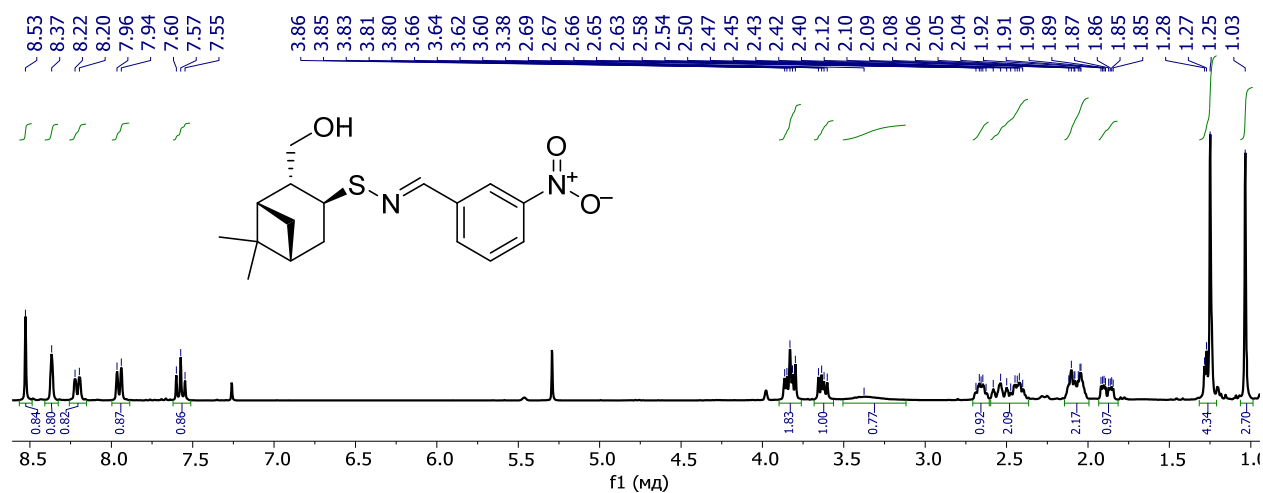


^1H , ^{13}C (JMOD) NMR and IR spectra of compound **7b**

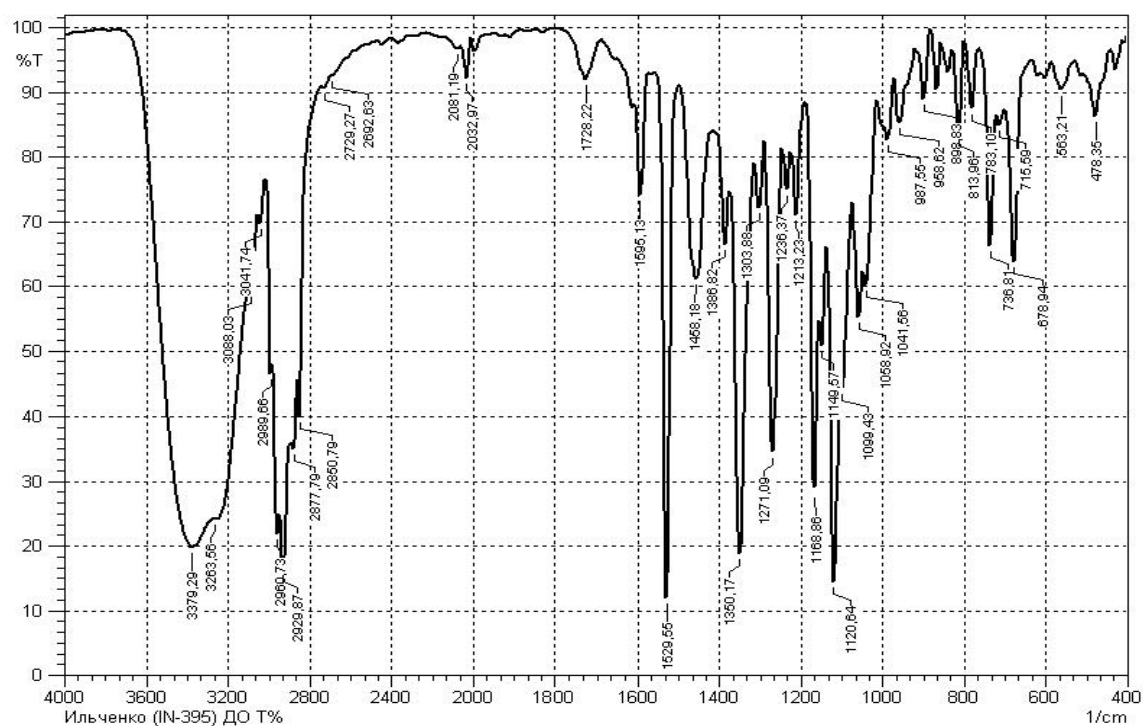
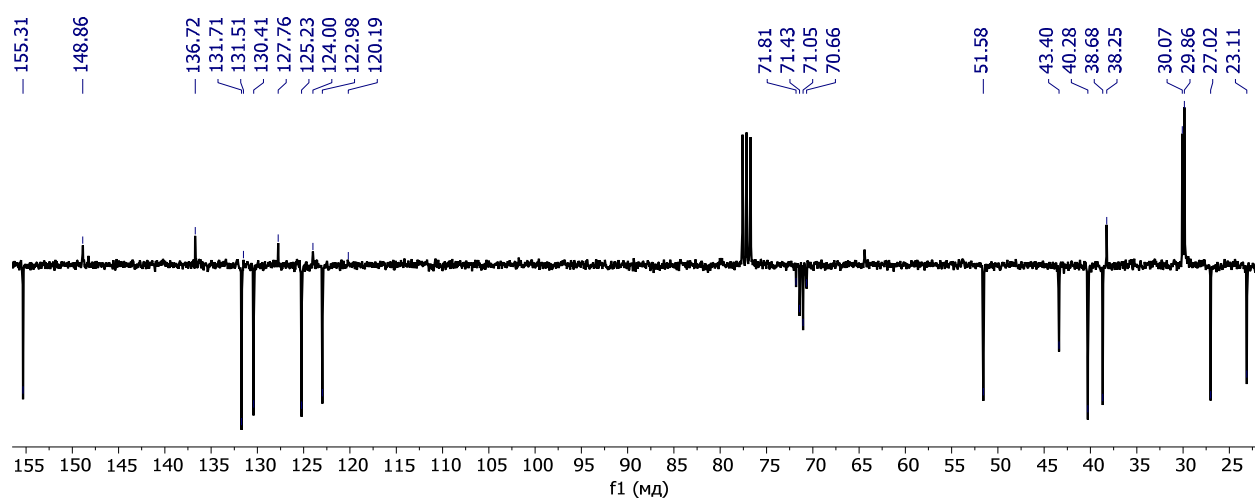
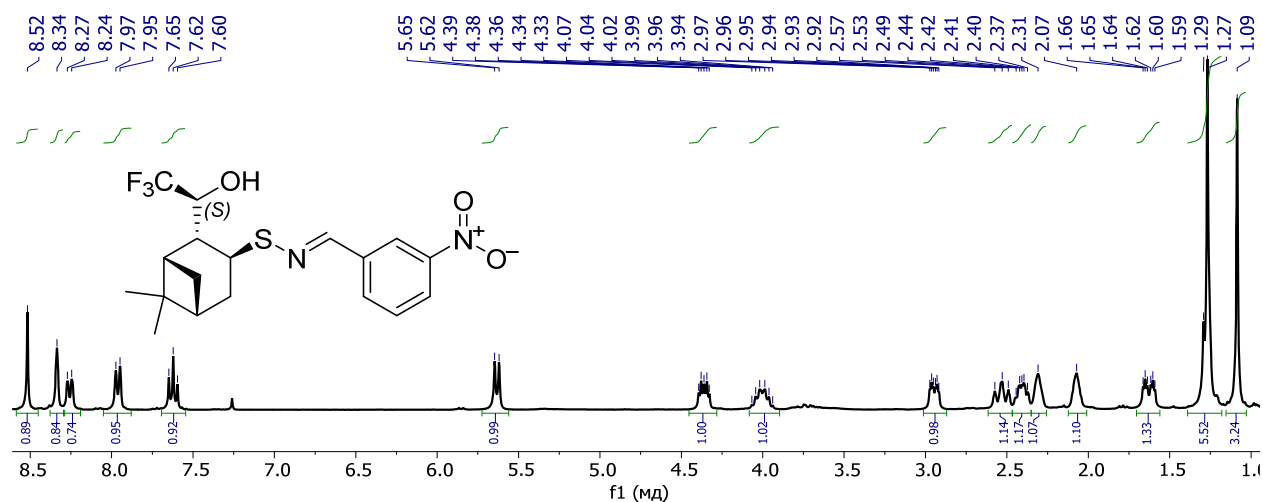


[illegible]

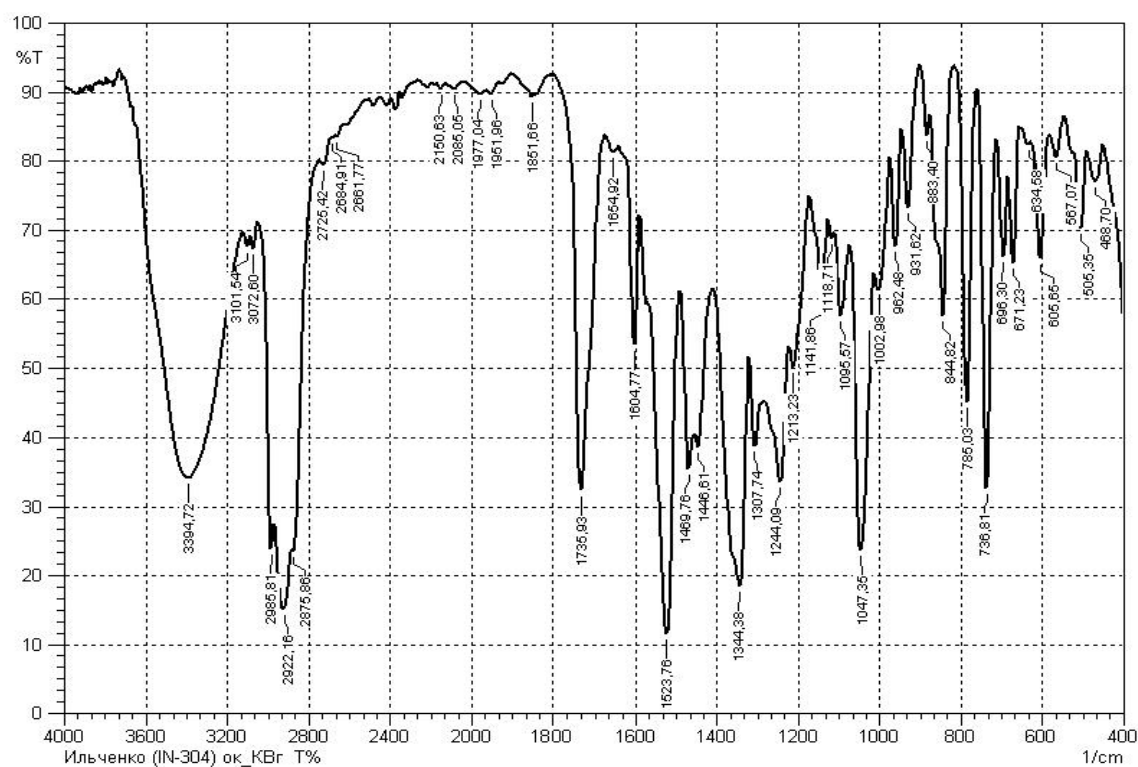
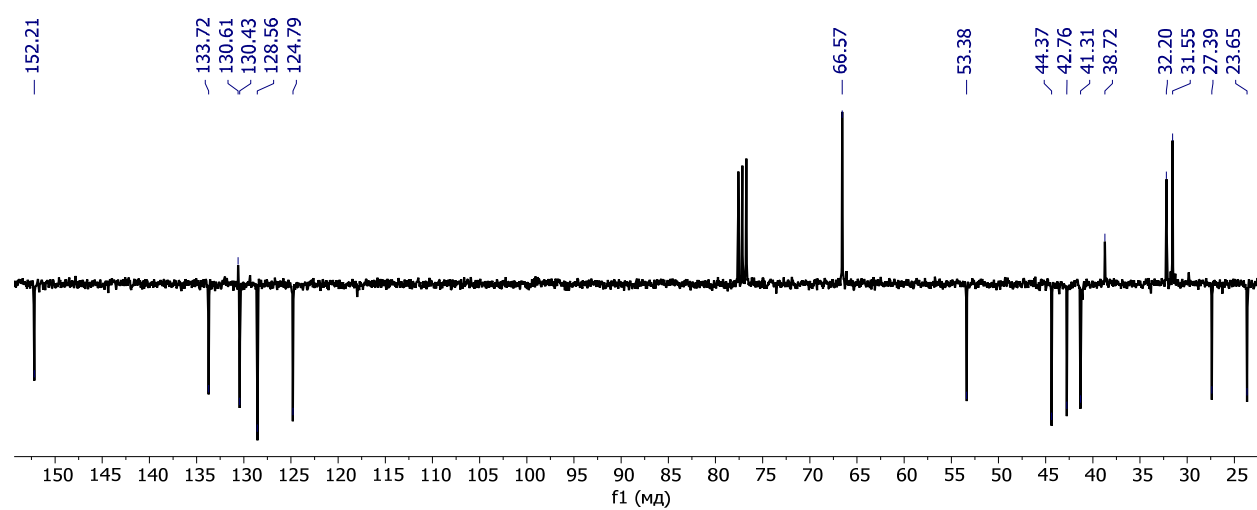
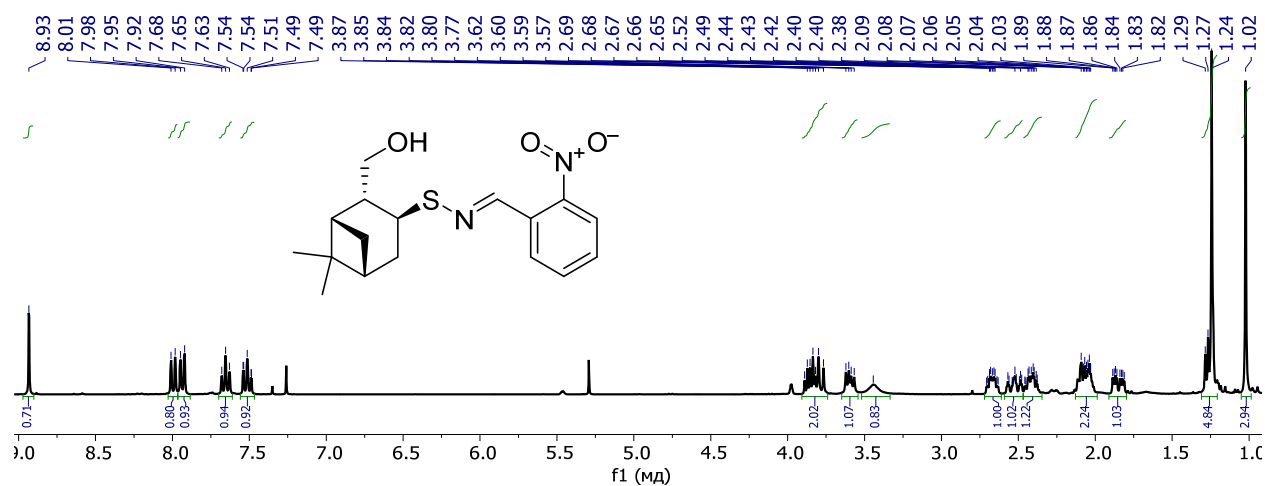
^1H , ^{13}C (JMOD) NMR and IR spectra of compound **7c**



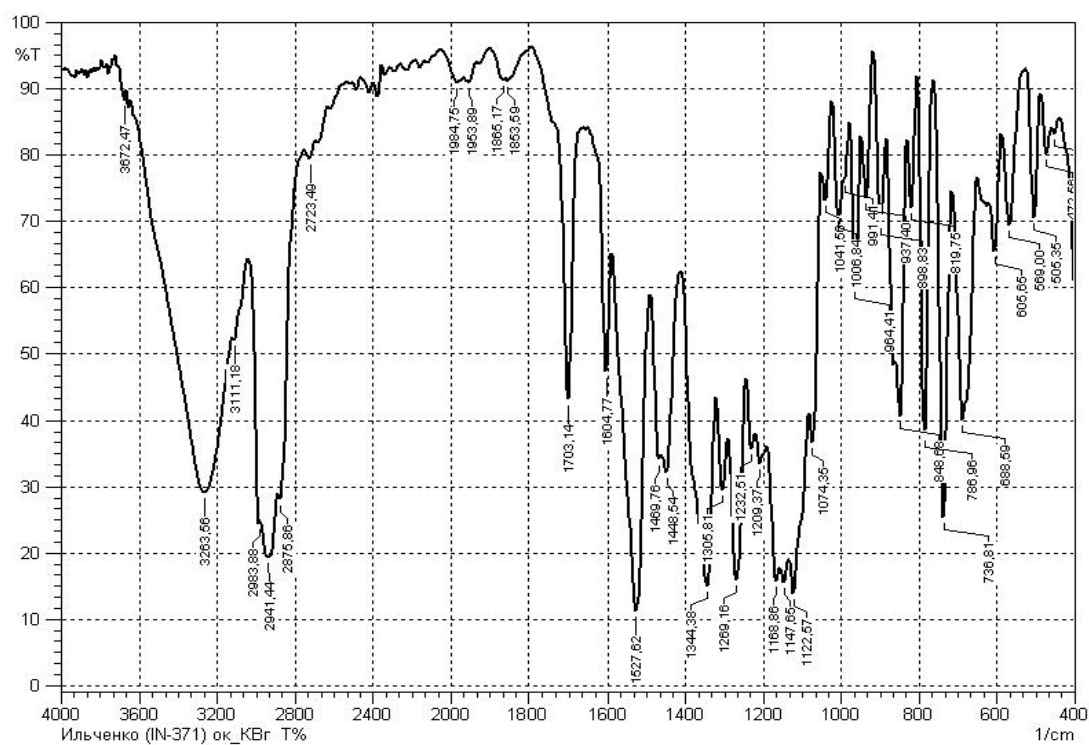
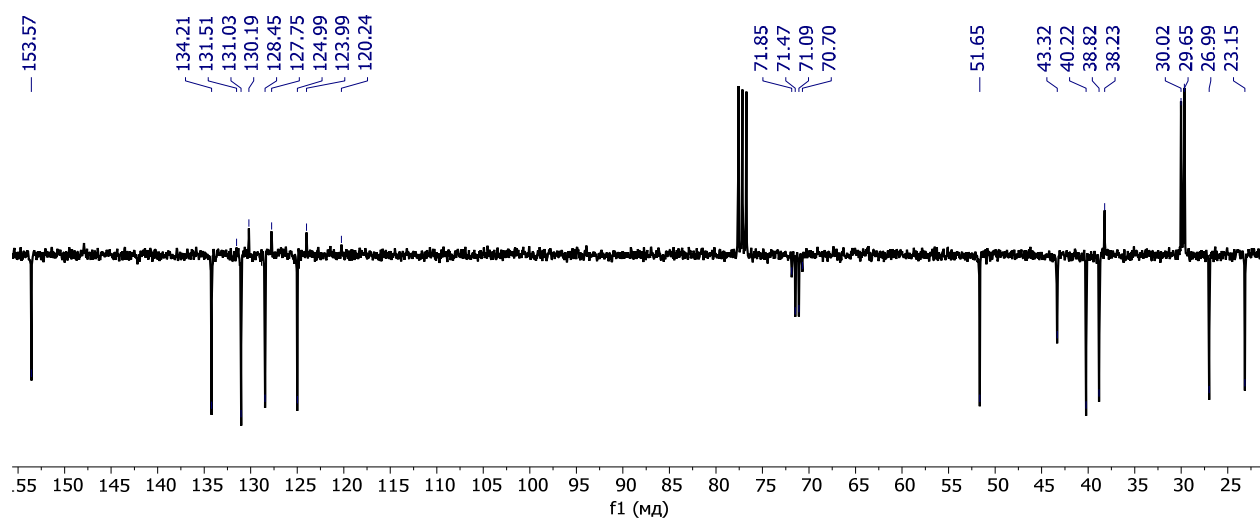
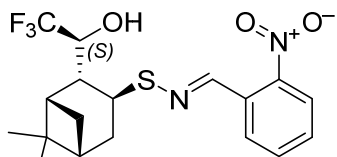
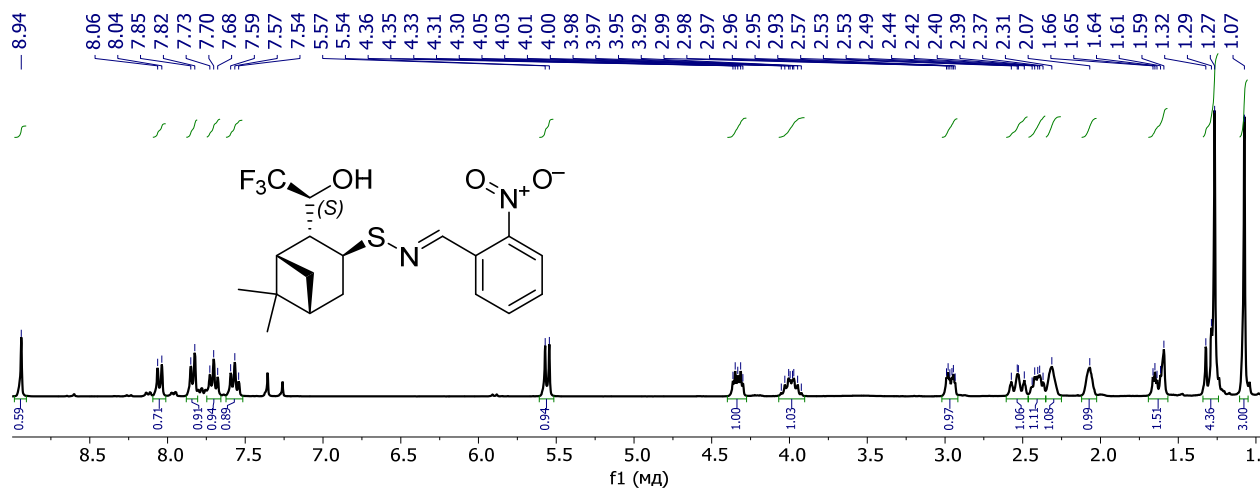
^1H , ^{13}C (JMOD) NMR and IR spectra of compound **8c**



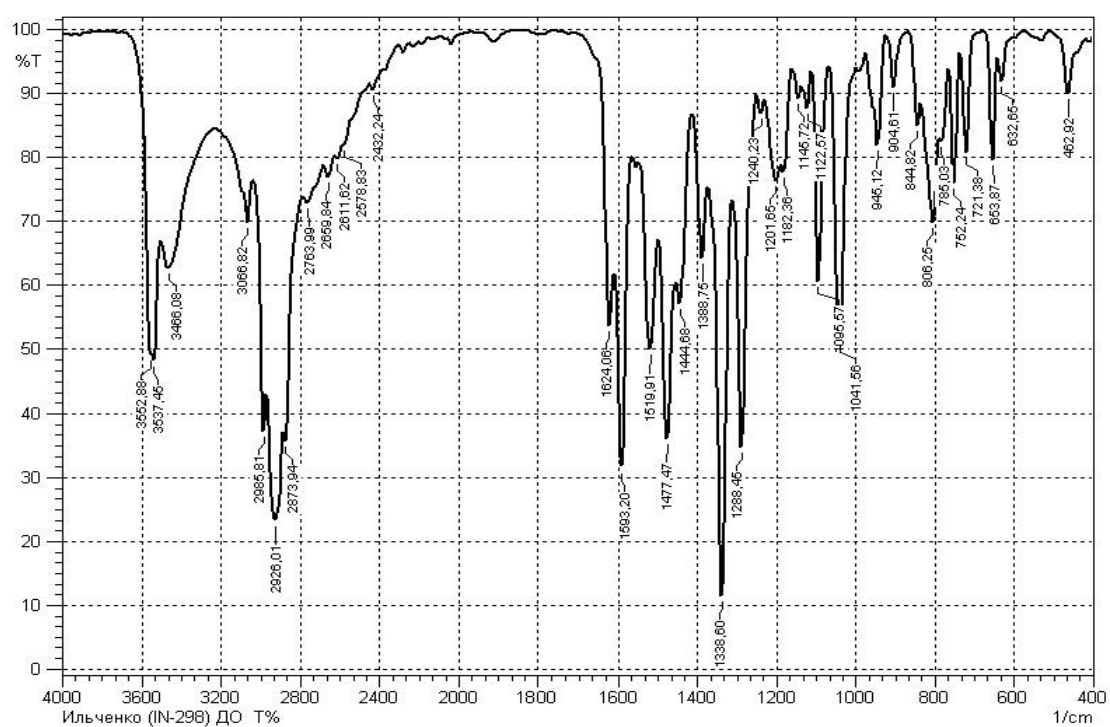
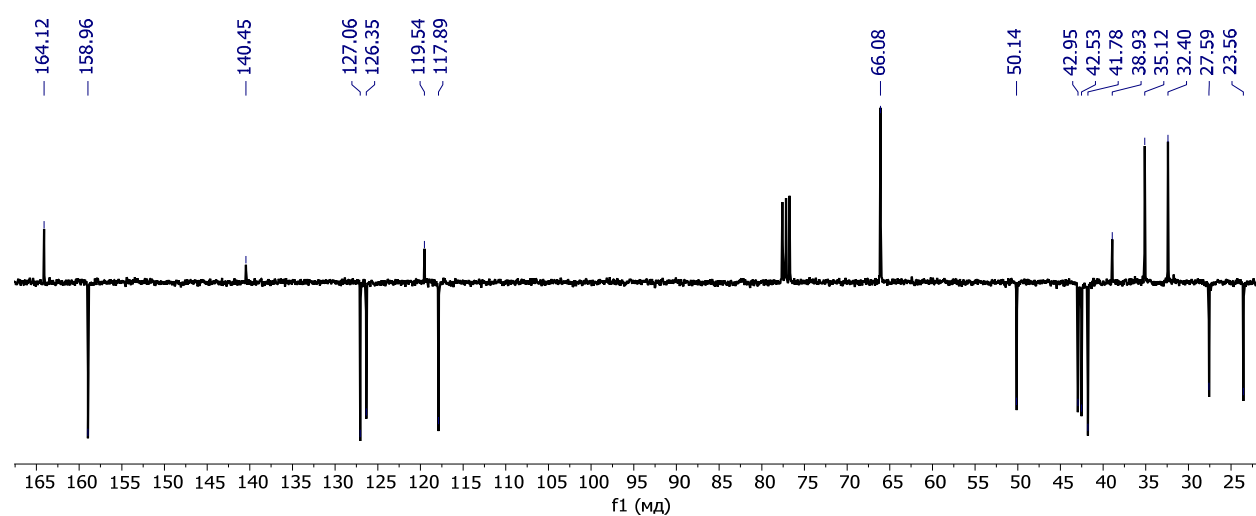
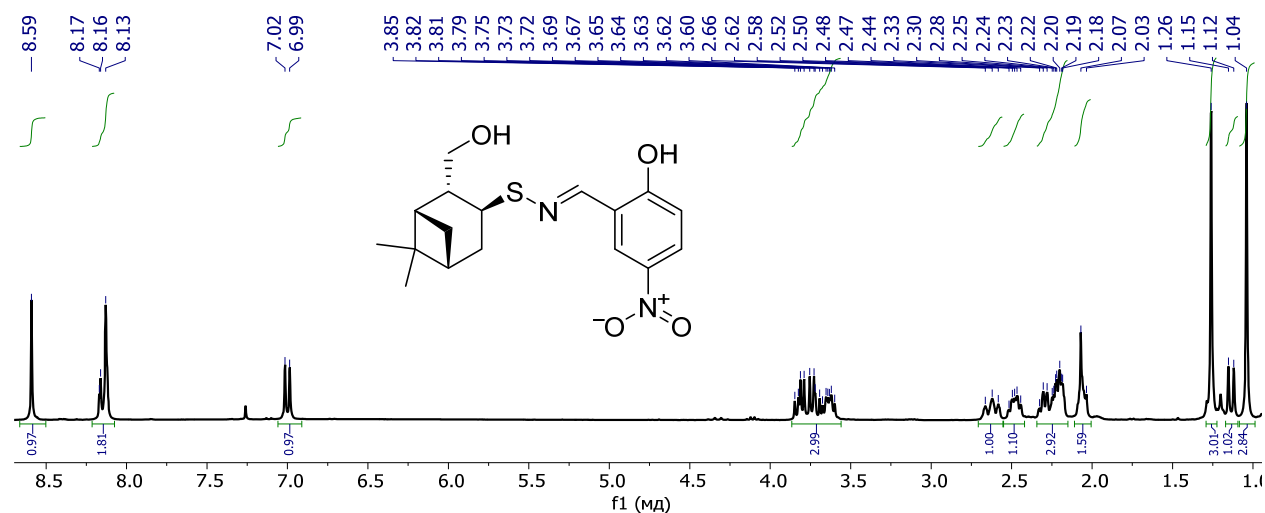
^1H , ^{13}C (JMOD) NMR and IR spectra of compound **7d**



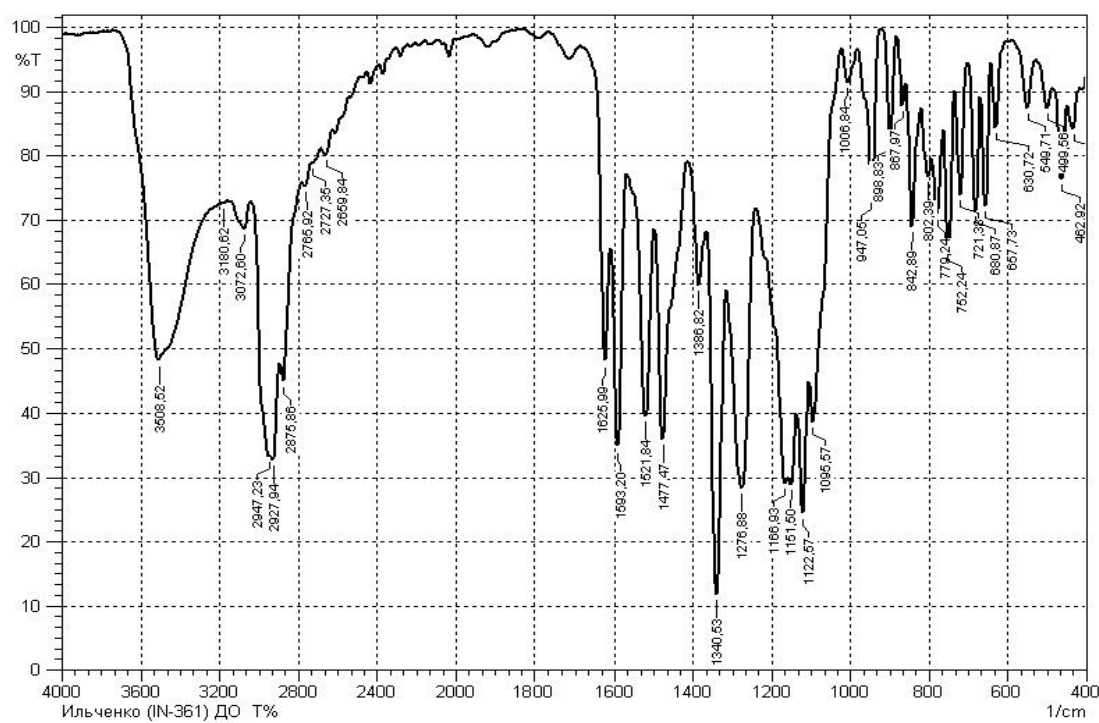
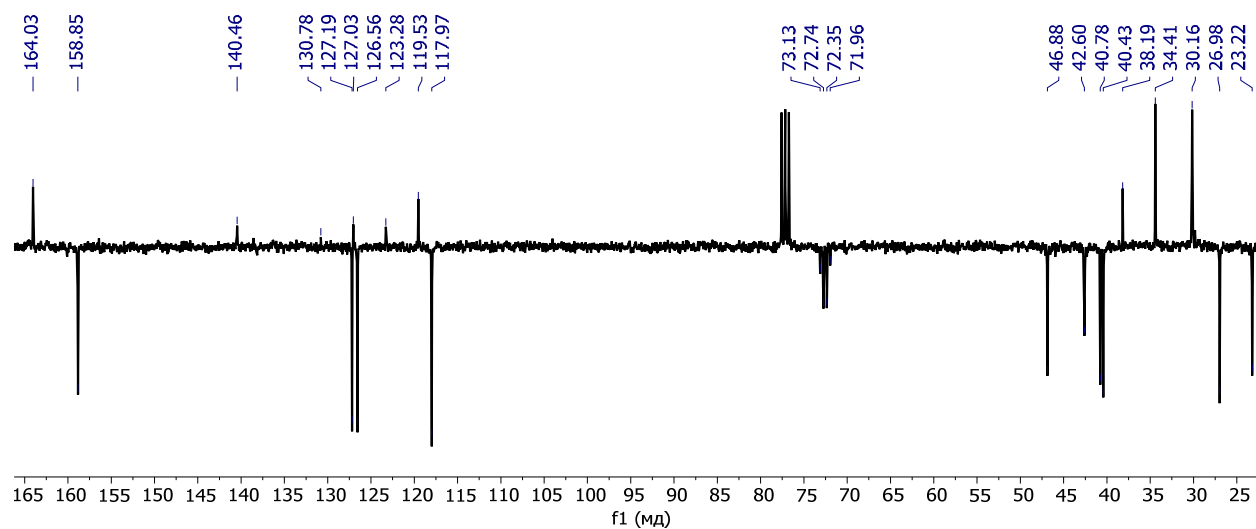
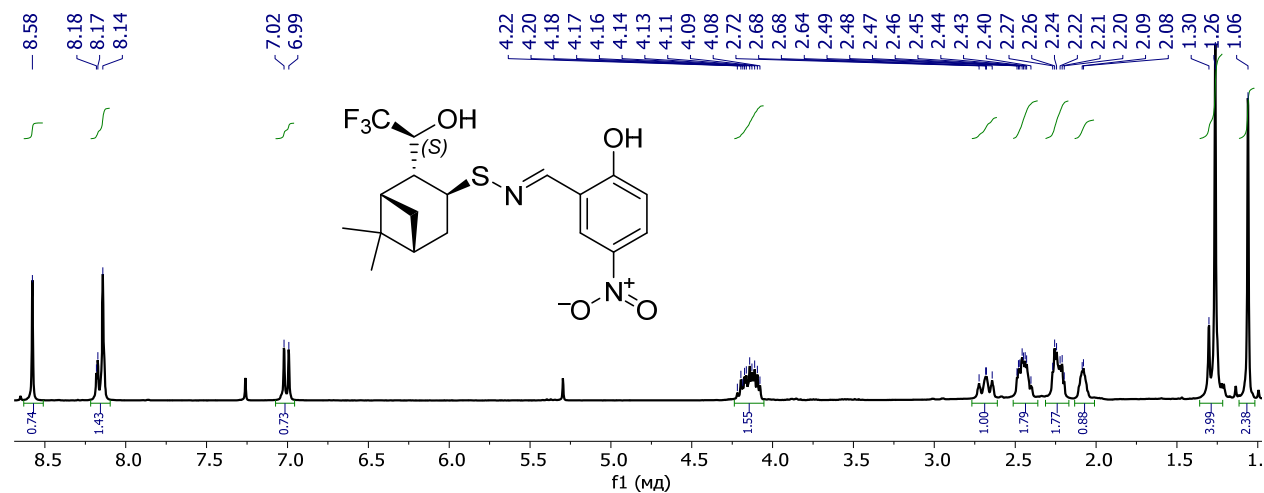
^1H , ^{13}C (JMOD) NMR and IR spectra of compound **8d**



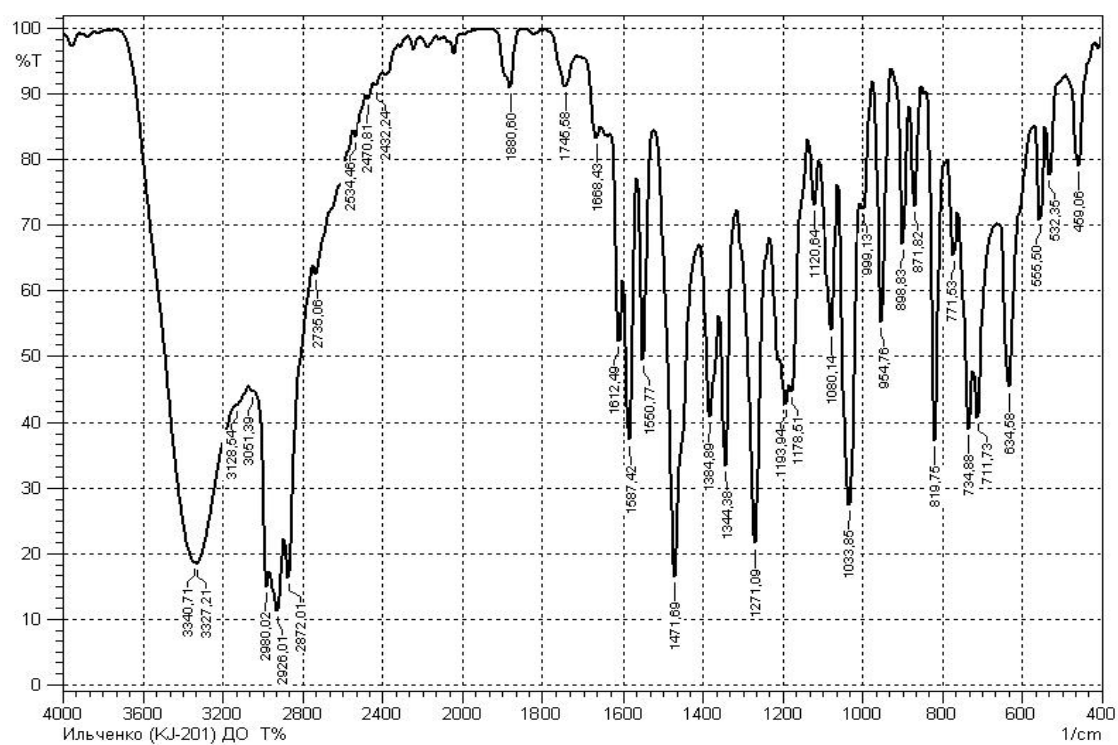
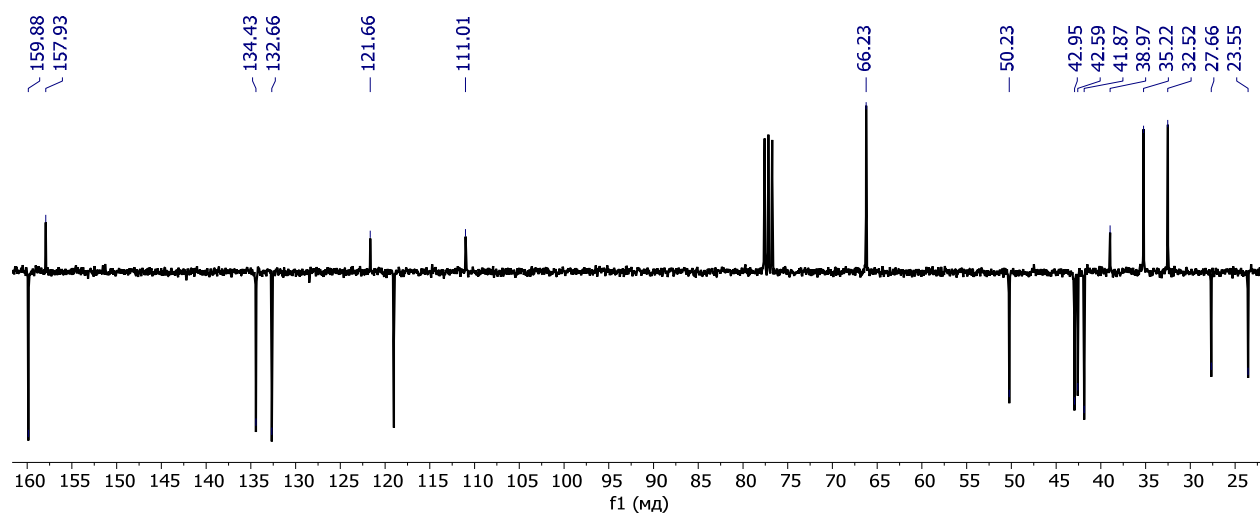
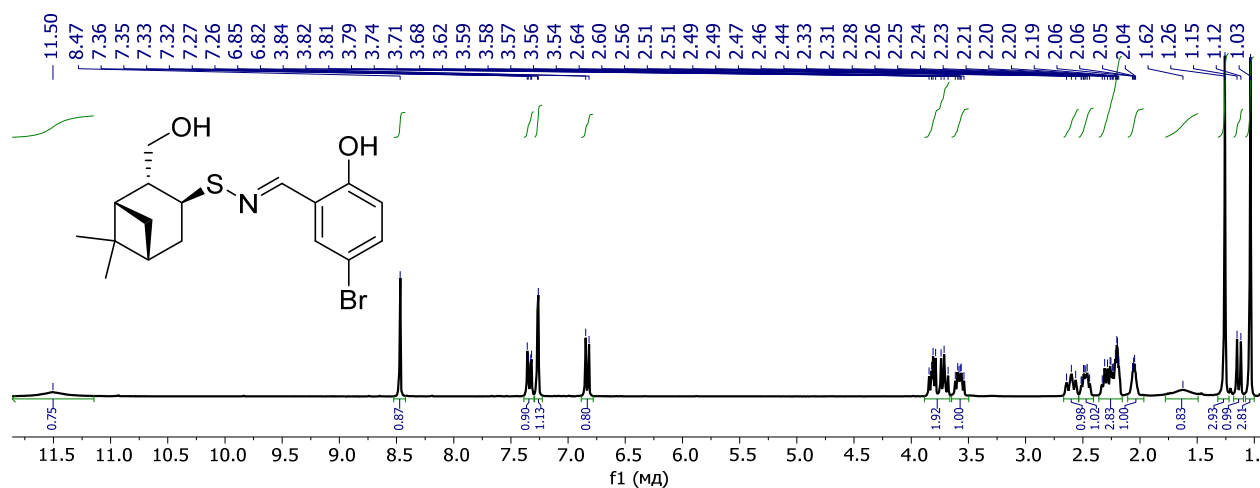
^1H , ^{13}C (JMOD) NMR and IR spectra of compound **7e**



^1H , ^{13}C (JMOD) NMR and IR spectra of compound **8e**



^1H , ^{13}C (JMOD) NMR and IR spectra of compound **7f**



^1H , ^{13}C (JMOD) NMR and IR spectra of compound **8f**

