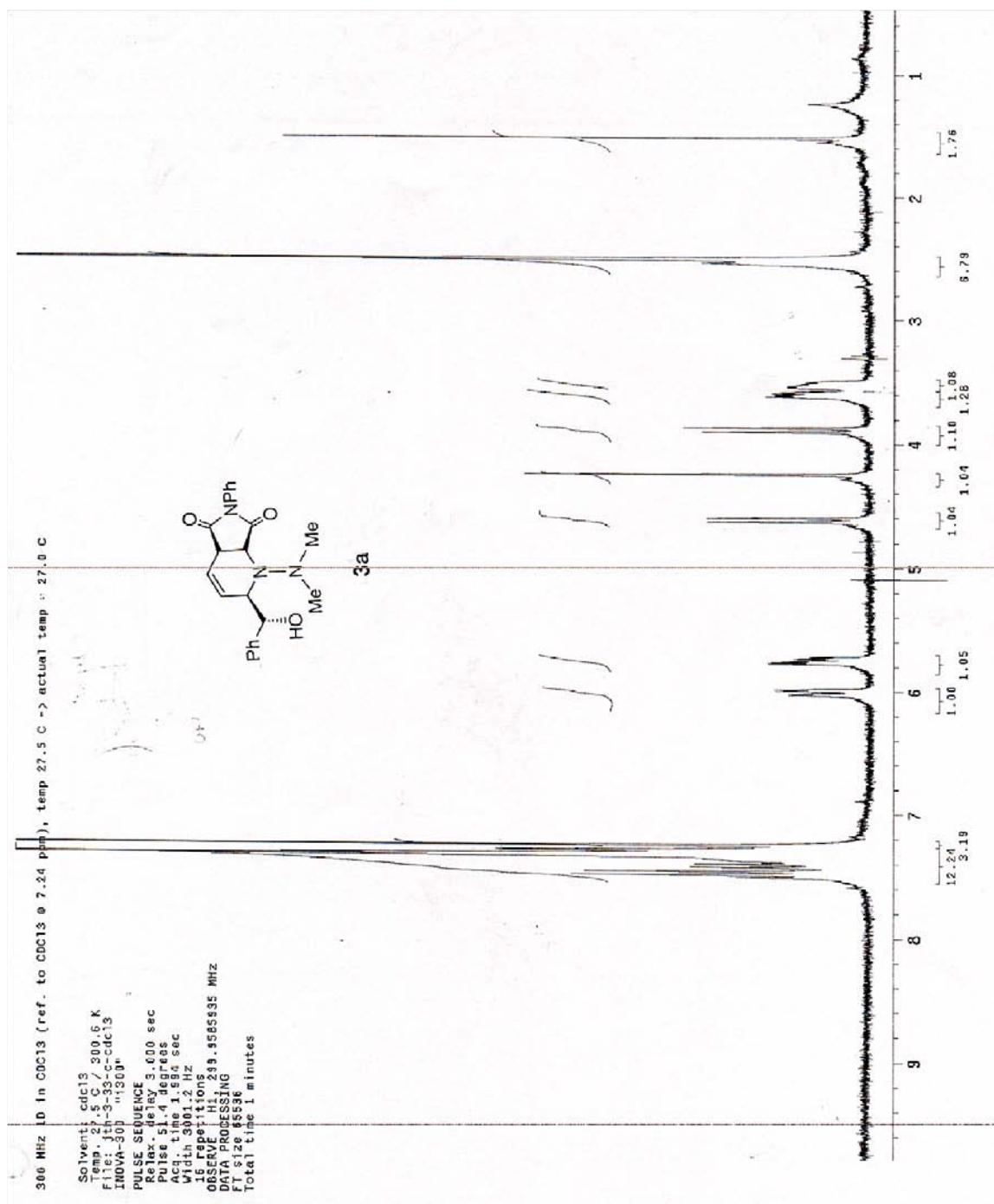
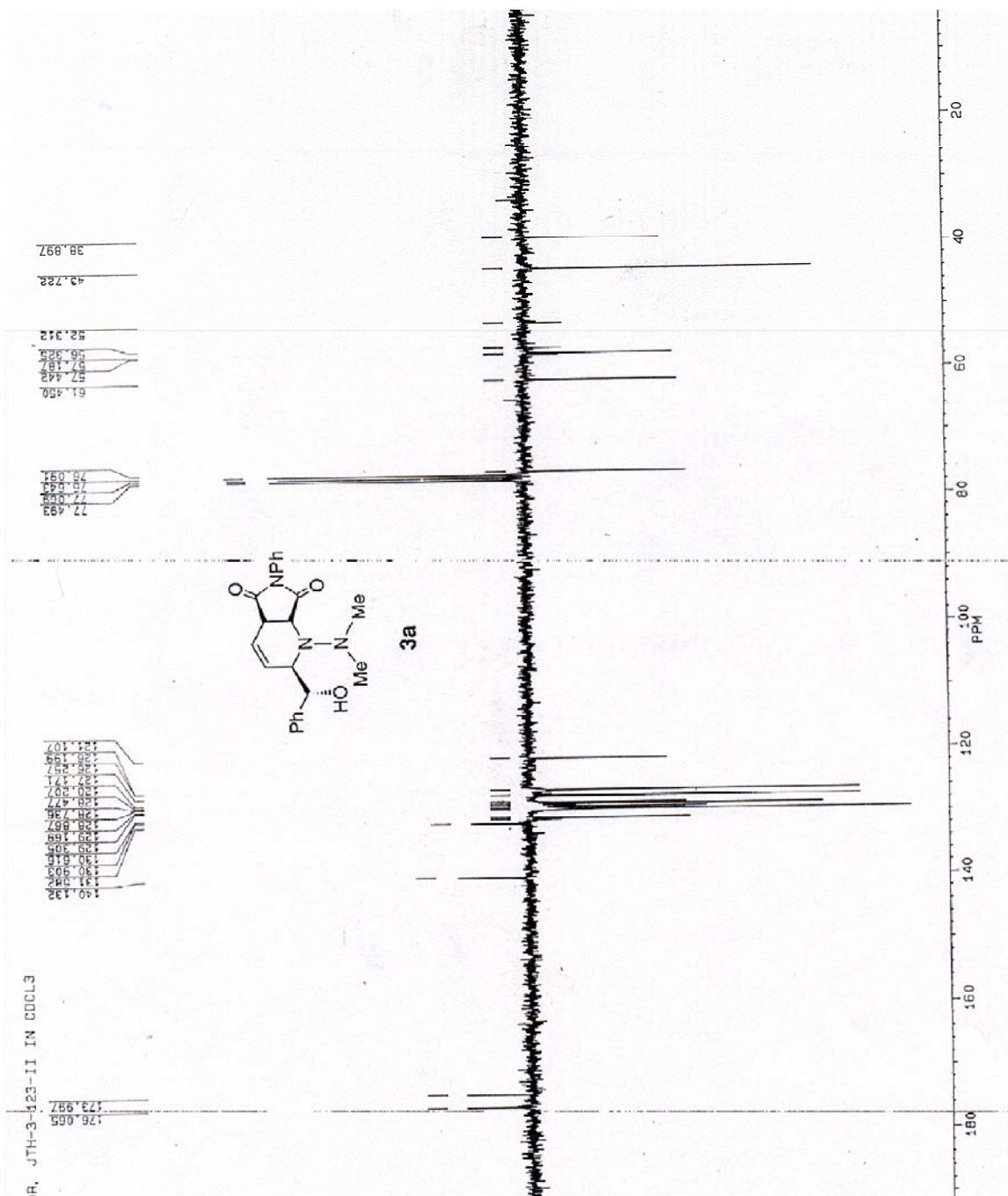


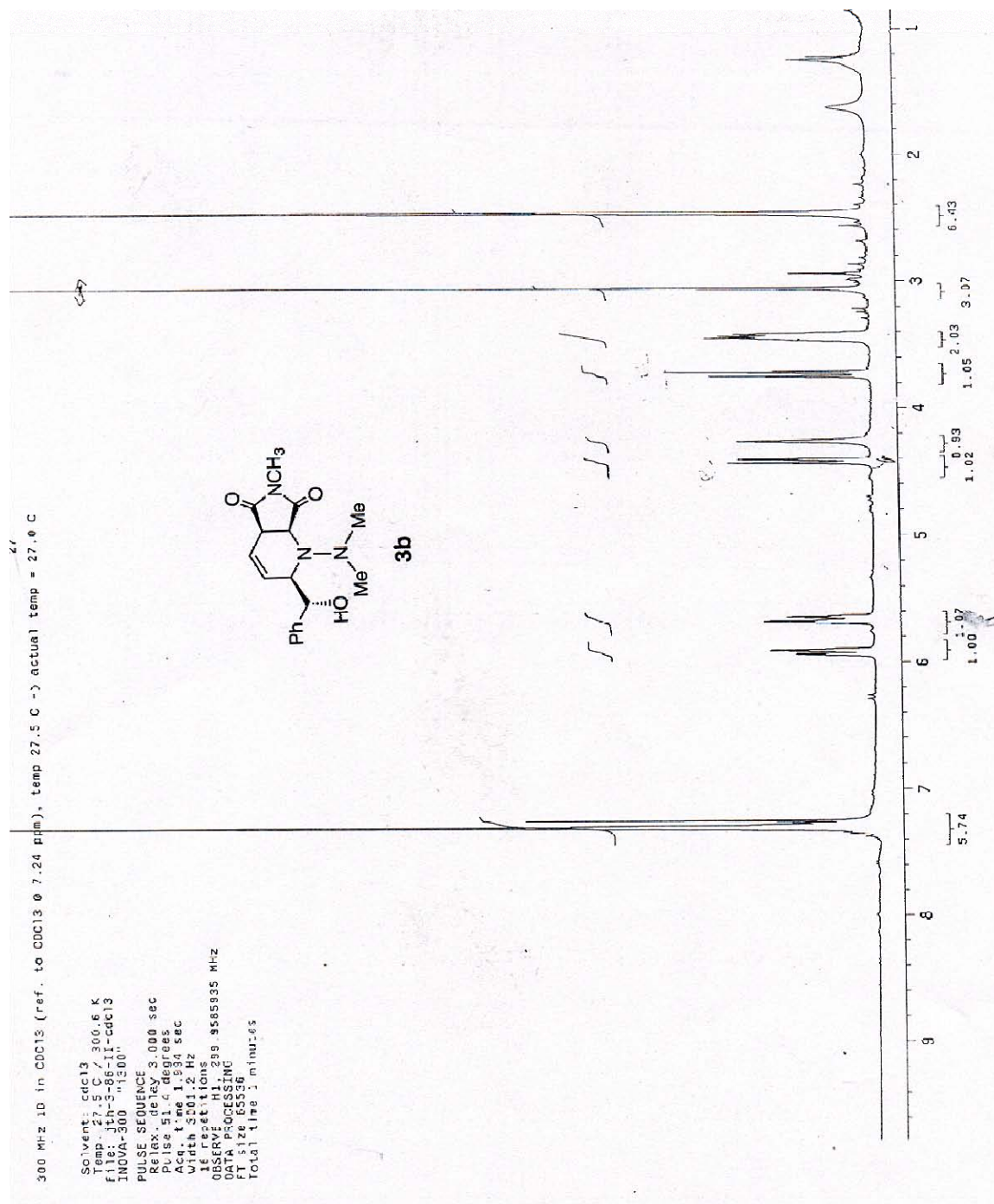
^1H of compound **3a** (CDCl_3):



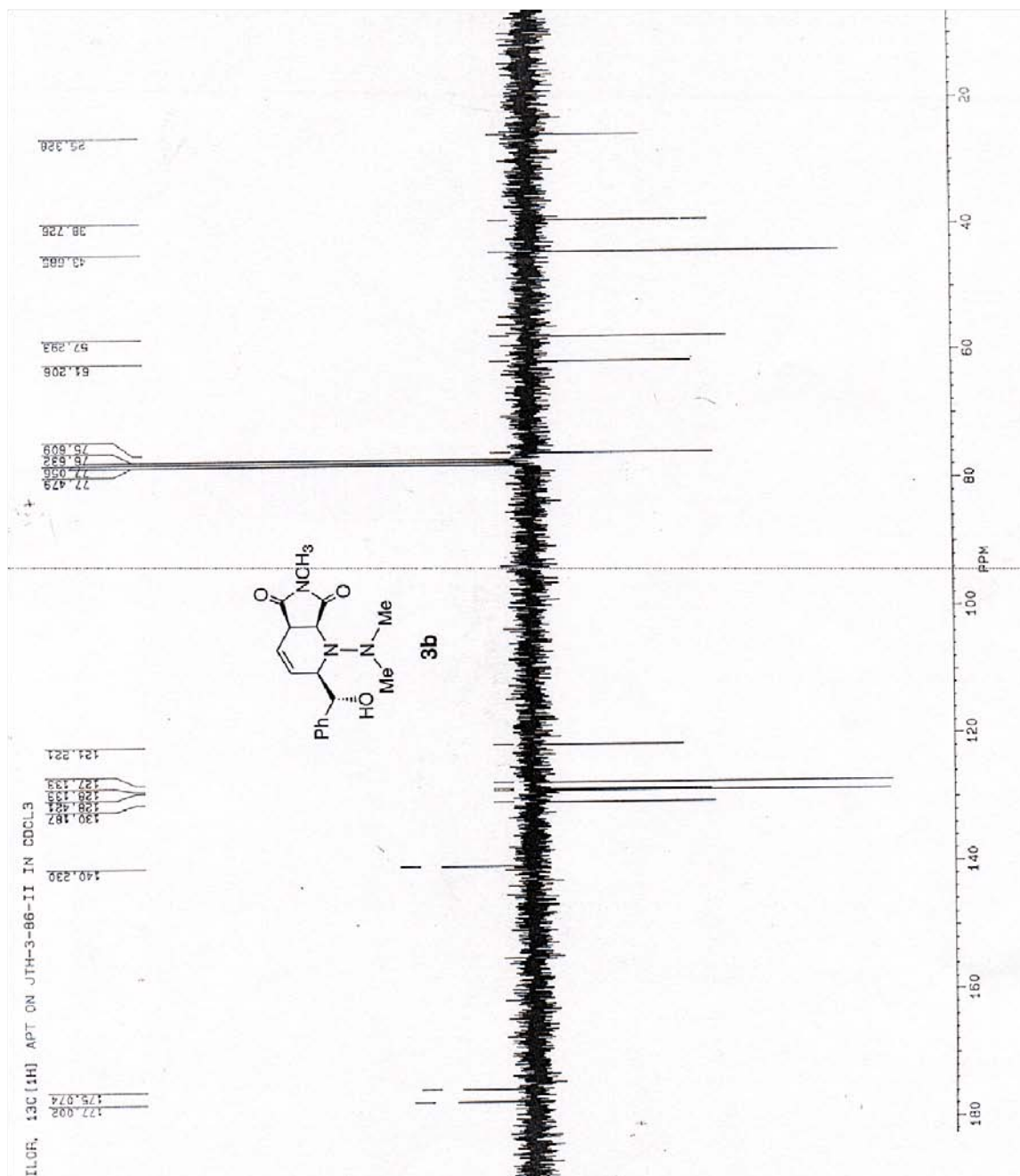
^{13}C of compound **3a** (CDCl_3):



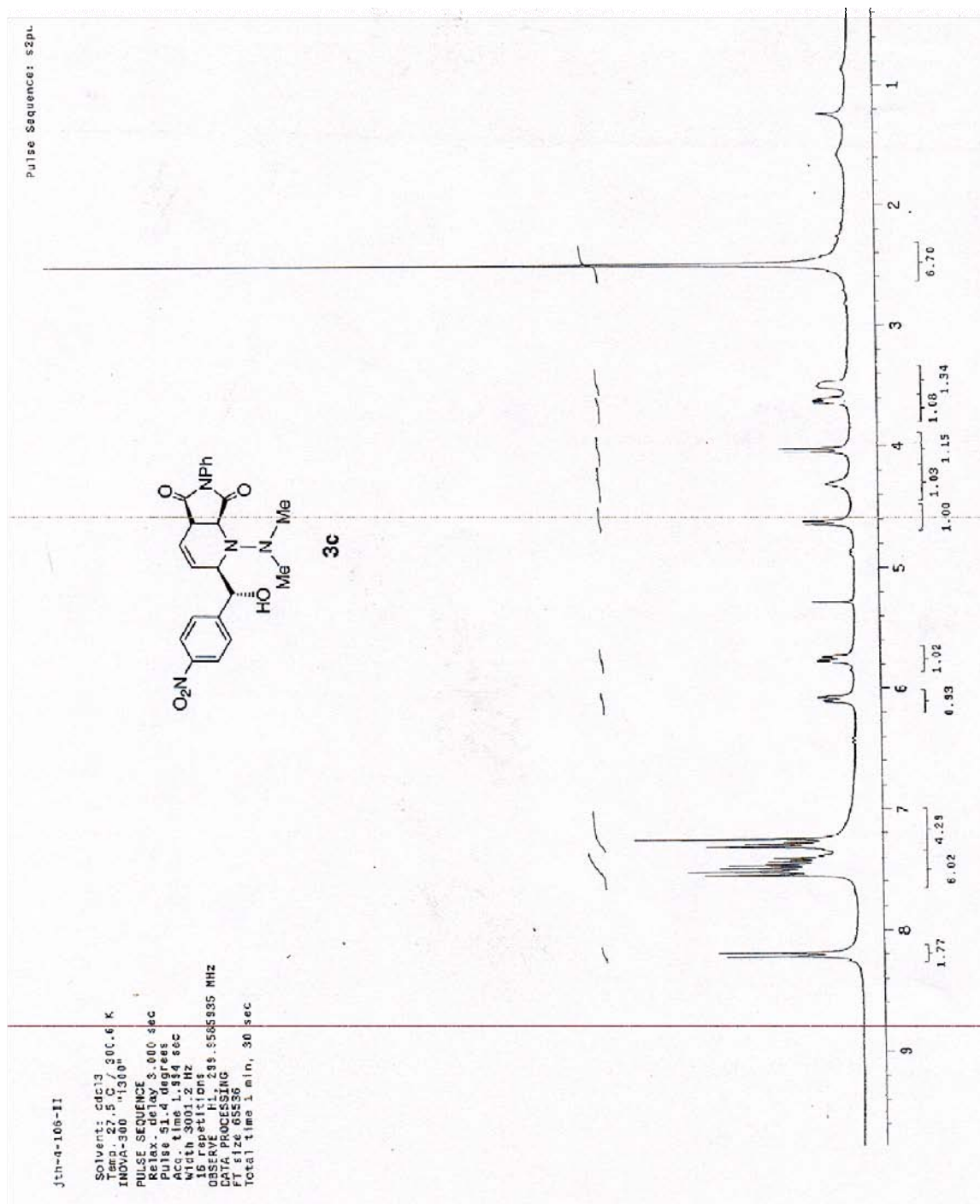
^1H of compound **3b** (CDCl_3):



^{13}C of compound **3b** (CDCl_3):



^1H of compound **3c** (CDCl_3):



Chemical structure of **3c**: (S)-1-(4-nitrophenyl)-2-methyl-5-phenyl-1H-imidazole-4-carboxamide.

¹H NMR spectrum (top):

- 8.371, 8.343, 8.313, 8.290, 8.267, 8.244, 8.221, 8.198, 8.175, 8.152, 8.129, 8.106, 8.083, 8.060, 8.037, 8.014, 7.991, 7.968, 7.945, 7.922, 7.899, 7.876, 7.853, 7.830, 7.807, 7.784, 7.761, 7.738, 7.715, 7.692, 7.669, 7.646, 7.623, 7.600, 7.577, 7.554, 7.531, 7.508, 7.485, 7.462, 7.439, 7.416, 7.393, 7.370, 7.347, 7.324, 7.301, 7.278, 7.255, 7.232, 7.209, 7.186, 7.163, 7.140, 7.117, 7.094, 7.071, 7.048, 7.025, 7.002, 6.979, 6.956, 6.933, 6.910, 6.887, 6.864, 6.841, 6.818, 6.795, 6.772, 6.749, 6.726, 6.703, 6.680, 6.657, 6.634, 6.611, 6.588, 6.565, 6.542, 6.519, 6.496, 6.473, 6.450, 6.427, 6.404, 6.381, 6.358, 6.335, 6.312, 6.289, 6.266, 6.243, 6.220, 6.197, 6.174, 6.151, 6.128, 6.105, 6.082, 6.059, 6.036, 6.013, 5.990, 5.967, 5.944, 5.921, 5.898, 5.875, 5.852, 5.829, 5.806, 5.783, 5.760, 5.737, 5.714, 5.691, 5.668, 5.645, 5.622, 5.599, 5.576, 5.553, 5.530, 5.507, 5.484, 5.461, 5.438, 5.415, 5.392, 5.369, 5.346, 5.323, 5.300, 5.277, 5.254, 5.231, 5.208, 5.185, 5.162, 5.139, 5.116, 5.093, 5.070, 5.047, 5.024, 5.001, 4.978, 4.955, 4.932, 4.909, 4.886, 4.863, 4.840, 4.817, 4.794, 4.771, 4.748, 4.725, 4.702, 4.679, 4.656, 4.633, 4.610, 4.587, 4.564, 4.541, 4.518, 4.495, 4.472, 4.449, 4.426, 4.403, 4.380, 4.357, 4.334, 4.311, 4.288, 4.265, 4.242, 4.219, 4.196, 4.173, 4.150, 4.127, 4.104, 4.081, 4.058, 4.035, 4.012, 3.989, 3.966, 3.943, 3.920, 3.897, 3.874, 3.851, 3.828, 3.805, 3.782, 3.759, 3.736, 3.713, 3.690, 3.667, 3.644, 3.621, 3.598, 3.575, 3.552, 3.529, 3.506, 3.483, 3.460, 3.437, 3.414, 3.391, 3.368, 3.345, 3.322, 3.299, 3.276, 3.253, 3.230, 3.207, 3.184, 3.161, 3.138, 3.115, 3.092, 3.069, 3.046, 3.023, 3.000, 2.977, 2.954, 2.931, 2.908, 2.885, 2.862, 2.839, 2.816, 2.793, 2.770, 2.747, 2.724, 2.701, 2.678, 2.655, 2.632, 2.609, 2.586, 2.563, 2.540, 2.517, 2.494, 2.471, 2.448, 2.425, 2.402, 2.379, 2.356, 2.333, 2.310, 2.287, 2.264, 2.241, 2.218, 2.195, 2.172, 2.149, 2.126, 2.103, 2.080, 2.057, 2.034, 2.011, 1.988, 1.965, 1.942, 1.919, 1.896, 1.873, 1.850, 1.827, 1.804, 1.781, 1.758, 1.735, 1.712, 1.689, 1.666, 1.643, 1.620, 1.597, 1.574, 1.551, 1.528, 1.505, 1.482, 1.459, 1.436, 1.413, 1.390, 1.367, 1.344, 1.321, 1.298, 1.275, 1.252, 1.229, 1.206, 1.183, 1.160, 1.137, 1.114, 1.091, 1.068, 1.045, 1.022, 0.999, 0.976, 0.953, 0.930, 0.907, 0.884, 0.861, 0.838, 0.815, 0.792, 0.769, 0.746, 0.723, 0.700, 0.677, 0.654, 0.631, 0.608, 0.585, 0.562, 0.539, 0.516, 0.493, 0.470, 0.447, 0.424, 0.401, 0.378, 0.355, 0.332, 0.309, 0.286, 0.263, 0.240, 0.217, 0.194, 0.171, 0.148, 0.125, 0.102, 0.079, 0.056, 0.033, 0.010, 0.000.

¹³C NMR spectrum (bottom):

- 155.210, 154.998, 154.786, 154.574, 154.362, 154.150, 153.938, 153.726, 153.514, 153.302, 153.090, 152.878, 152.666, 152.454, 152.242, 152.030, 151.818, 151.606, 151.394, 151.182, 150.970, 150.758, 150.546, 150.334, 150.122, 149.910, 149.698, 149.486, 149.274, 149.062, 148.850, 148.638, 148.426, 148.214, 148.002, 147.790, 147.578, 147.366, 147.154, 146.942, 146.730, 146.518, 146.306, 146.094, 145.882, 145.670, 145.458, 145.246, 145.034, 144.822, 144.610, 144.398, 144.186, 143.974, 143.762, 143.550, 143.338, 143.126, 142.914, 142.702, 142.490, 142.278, 142.066, 141.854, 141.642, 141.430, 141.218, 141.006, 140.794, 140.582, 140.370, 140.158, 139.946, 139.734, 139.522, 139.310, 139.098, 138.886, 138.674, 138.462, 138.250, 138.038, 137.826, 137.614, 137.402, 137.190, 136.978, 136.766, 136.554, 136.342, 136.130, 135.918, 135.706, 135.494, 135.282, 135.070, 134.858, 134.646, 134.434, 134.222, 134.010, 133.798, 133.586, 133.374, 133.162, 132.950, 132.738, 132.526, 132.314, 132.102, 131.890, 131.678, 131.466, 131.254, 131.042, 130.830, 130.618, 130.406, 130.194, 129.982, 129.770, 129.558, 129.346, 129.134, 128.922, 128.710, 128.498, 128.286, 128.074, 127.862, 127.650, 127.438, 127.226, 127.014, 126.802, 126.590, 126.378, 126.166, 125.954, 125.742, 125.530, 125.318, 125.106, 124.894, 124.682, 124.470, 1