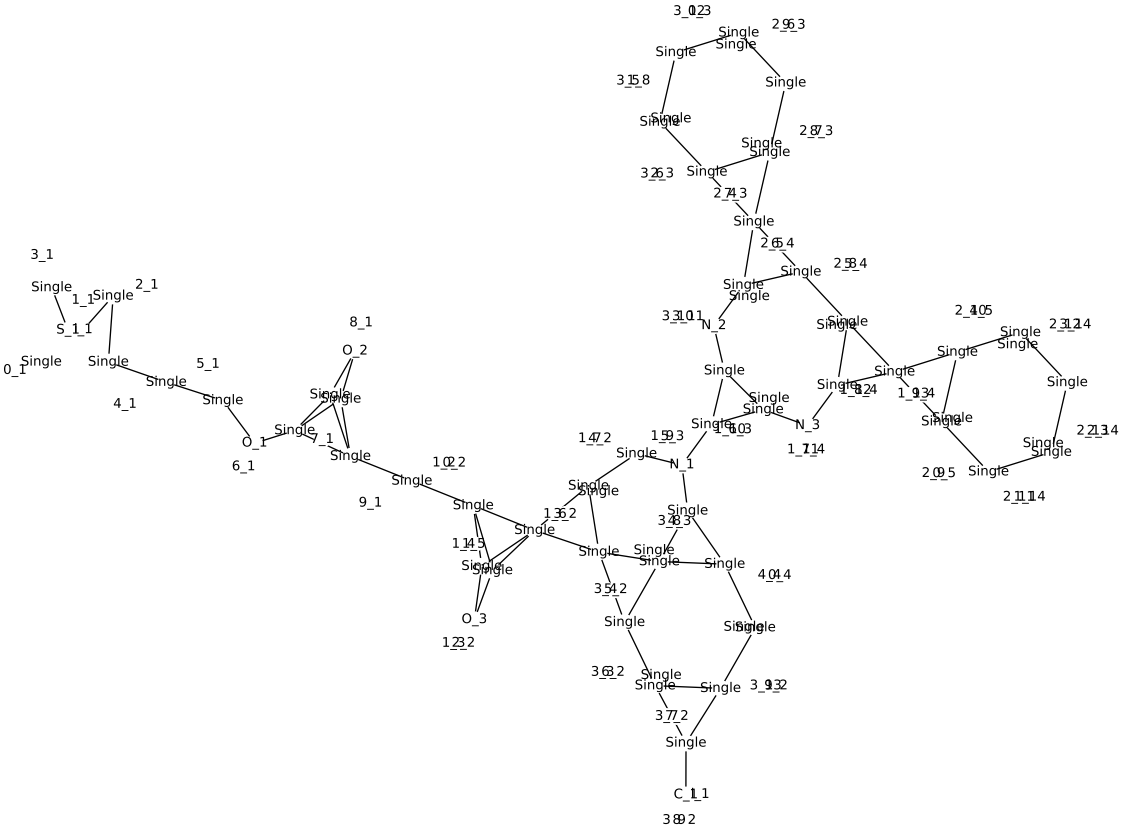US20050009817A1_p0030_x0513_y2009_c00086