**CLAIMS**

What is claimed is:

1. A co-crystal consisting of a Nuclear receptor related 1 protein-ligand binding domain (Nurr1-LBD) and a cyclopentenone prostaglandin, wherein Nurr1-LBD has the amino acid sequence set forth in SEQ ID NO:1, the cyclopentenone prostaglandin is PGA1, and wherein the co-crystal is described by the atomic coordinates deposited at the Protein Data Bank (PDB) under accession number 5Y41.

2. A co-crystal consisting of a Nuclear receptor related 1 protein-ligand binding domain (Nurr1-LBD) and a cyclopentenone prostaglandin, wherein Nurr1-LBD has the amino acid sequence set forth in SEQ ID NO:1, the cyclopentenone prostaglandin is PGA2, and wherein the co-crystal is described by the atomic coordinates deposited at the Protein Data Bank (PDB) under accession number 5YD6.