**Supplementary Table S2: Table of ANOVA for the [Cn-Cbl] extracted from ODB using 2-Level Factorial**

| Source | Sum of Squares | df | Mean Square | F-value | p-value | |
|---|---|---|---|---|---|---|
| **Model** | 0.0003 | 7 | 1539.82 | 22.26 | < 0.0001 | significant |
| A-Solvent:solvent ratio (MeOH:H$_2$O) | 57.02 | 1 | 57.02 | 0.8245 | 0.3852 | |
| B-pH | 1086.47 | 1 | 1086.47 | 15.71 | 0.0027 | |
| C-Solute:solvent ratio | 161.96 | 1 | 161.96 | 2.34 | 0.1569 | |
| AB | 1117.35 | 1 | 1117.35 | 16.16 | 0.0024 | |
| AC | 7713.28 | 1 | 7713.28 | 111.52 | < 0.0001 | |
| BC | 192.03 | 1 | 192.03 | 2.78 | 0.1266 | |
| ABC | 450.64 | 1 | 450.64 | 6.52 | 0.0287 | |
| Curvature | 156.36 | 1 | 156.36 | 2.26 | 0.1636 | |
| **Pure Error** | 691.62 | 10 | 69.16 | | | |
| **Cor Total** | 11626.73 | 18 | | | | |