**Supplementary Information**

New bioactive Cu(I) thiourea derivatives with triphenylphosphine; Synthesis, structure and molecular docking studies

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Table S1. Bond lengths and angles for **3**.

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| **Bond lengths** |  | **Bond angles** |
| Cu1-P1 | 2.2765(6) |   | P1-Cu1-P2 | 120.90(2) |
| Cu1-P2 | 2.2965(6) |   | P1-Cu1-Cl1 | 106.56(2) |
| Cu1-Cl1 | 2.3325(6) |   | P2-Cu1-Cl1 | 115.95(3) |
| Cu1-S1 | 2.4468(7) |   | P1-Cu1-S1 | 105.51(2) |
| Cl2-C39 | 1.731(3) |   | P2-Cu1-S1 | 102.96(2) |
| S1-C37 | 1.685(2) |   | Cl1-Cu1-S1 | 102.83(2) |
| P1-C19 | 1.818(2) |   | C37-S1-Cu1 | 107.46(8) |
| P1-C25 | 1.829(3) |   | C19-P1-C25 | 102.16(11) |
| P1-C31 | 1.833(2) |   | C19-P1-C31 | 101.71(11) |
| P2 | C1B | 1.805(3) |   | C25 | P1 | C31 | 103.59(11) |
| P2 | C13 | 1.829(3) |   | C19 | P1 | Cu1 | 117.75(8) |
| P2 | C7 | 1.831(2) |   | C17 | C16 | C15 | 119.5(3) |
| P2 | C1A | 1.879(3) |   | C16 | C17 | C18 | 120.8(3) |