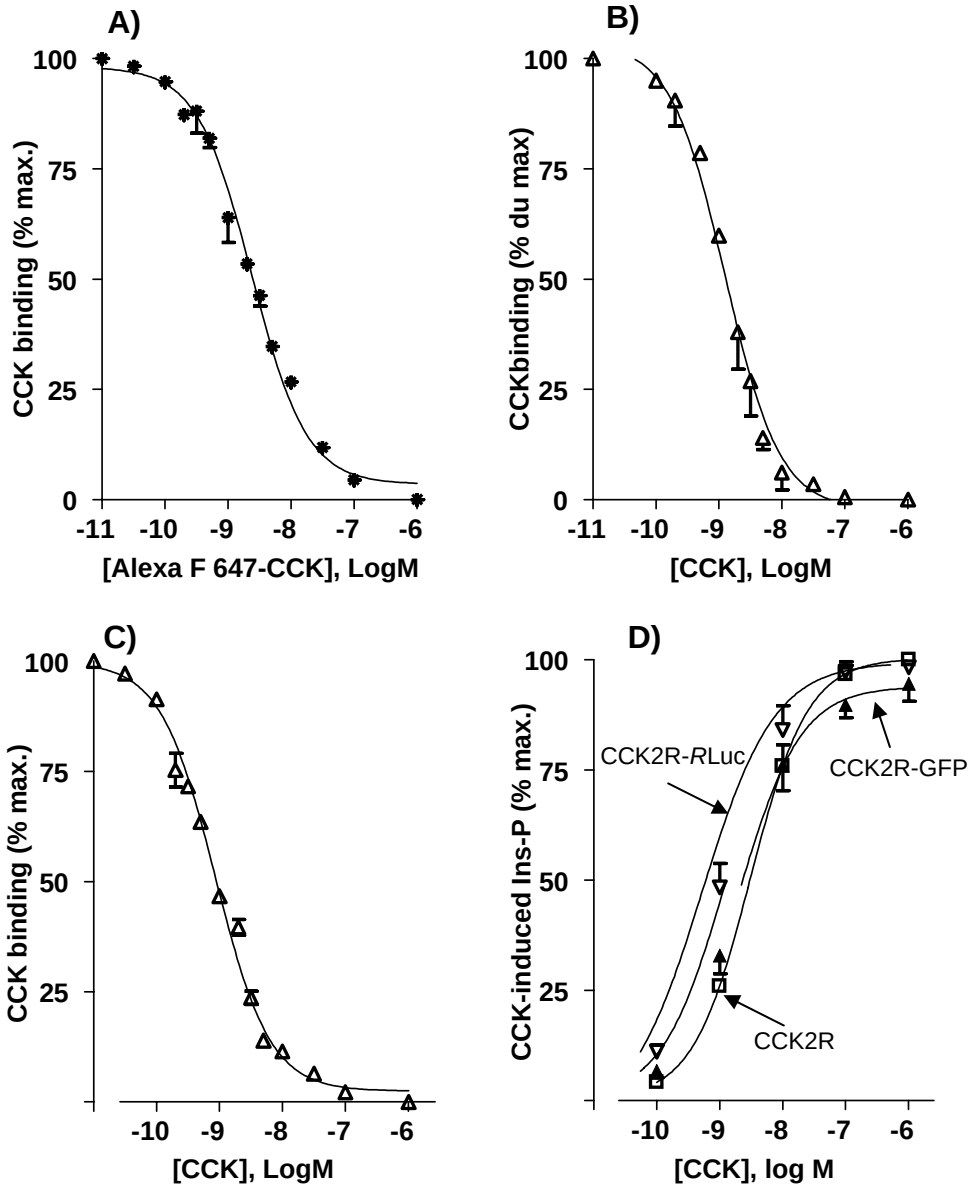

Supplementary data Fig. 1

Supplementary data, Fig. 1: Characterization of pharmacological and biological tools.
Panel A: competition binding between ^{125}I-CCK and Alexa F 647-CCK to CCK2R expressed in HEK 293 cells (Ki: 2.4 ± 0.12 nM for Alexa F 647-CCK versus Kd: 4.8 ± 1.0 for CCK).
Panel B: competition binding between ^{125}I-CCK and CCK to CCK2R-GFP expressed in HEK 293 cells. CCK2R-GFP bound ^{125}I-CCK with a dissociation constant (Kd) of 1.15 ± 0.20 nM (versus 1.17 ± 0.25 nM for CCK2R).
Panel C: competition binding between ^{125}I-CCK and CCK to CCK2R-*R*Luc expressed in HEK 293 cells. CCK2R-*R*Luc bound ^{125}I-CCK with a dissociation constant (Kd) of 0.90 ± 0.21 nM.
Panel D: CCK-stimulated inositol phosphate production in HEK 293 cells expressing the Wild-type CCK2R (EC_{50}: 3.1 ± 0.4 nM) or CCK2R-GFP (EC_{50}: 2.0 ± 0.2) or CCK2R-*R*Luc (EC_{50}: 1.3 ± 0.3 nM).
Results are the mean ± SEM of 3-4 experiments.