IC50/EC50 Analysis: GABA_A Receptor - Propofol IC50 Distribution EC50 Distribution IC50 vs EC50 Correlation (r = 1.000)--- Median: 3.6e+04 μM --- Median: 3.6e+05 μM 2.00 2.00 6.50 1.75 1.75 6.25 1.50 1.50 6.00 log □ (EC50 μM) 2.22 ± 2.20 μM) Number of Poses 1.25 Number of Poses 0.75 0.75 5.25 0.50 0.50 5.00 0.25 0.25 4.75 0.00 4.25 4.75 5.00 5.75 6.00 4.00 4.50 4.75 5.00 3.75 4.00 4.50 5.25 5.50 4.75 5.00 5.25 5.50 6.25 6.50 3.75 4.25 5.25 5.50 $\log \square (IC50 \mu M)$ $\log \square (EC50 \mu M)$ $log \square \square (IC50 \ \mu M)$ Affinity vs IC50 (r = 1.000)IC50 Potency Classification IC50 vs Pose Rank Best: 4.6e+03 μM Moderate (\$10 μM) 5.50 5.25 0.0% 5.00 105 log □ (IC50 μM) □ 4.22 (IC50 μM) IC50 (µM) 4.25 100.0% 4.00 10^{4} 3.75 Very Low ($\geq 100 \ \mu M$) -1.5 -2.5 -2.0 10 -1.0-0.5 -3.0Pose Rank Binding Affinity (kcal/mol)