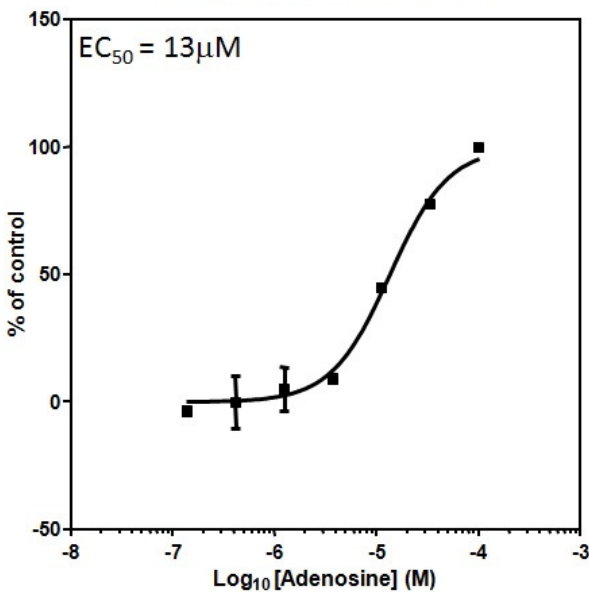


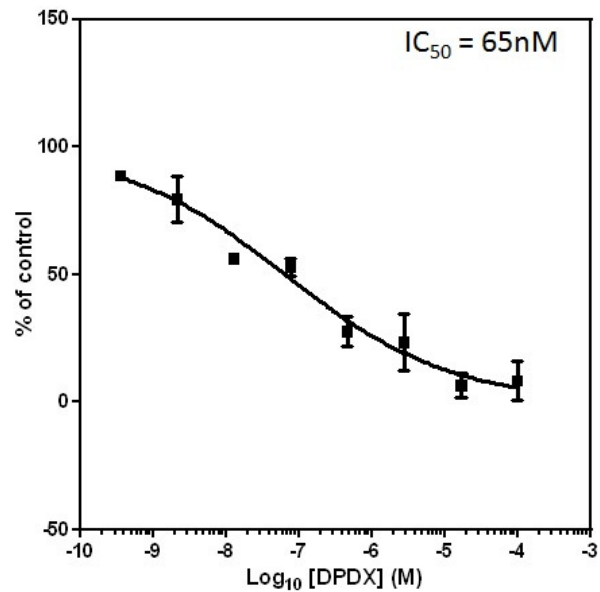
GPCR Profiling

Target:	Adenosine A1
Available Assays:	Radioligand Binding & Cell-Based
Cell-Based Agonist:	Adenosine
Cell-Based Antagonist:	DPDX

EC₅₀ of Adenosine, AdoR A1



IC₅₀ for DPDX, AdoR A1



GPCR-expressing cells were plated in black, clear-bottomed 96 well plates at a density of 25,000 cells per well in 100 μl volume and incubated overnight. Next day, medium was removed and 25 μl HBSS buffer (HEPES buffered Hank's balanced salt solution) was added to the wells. 10 μl calcium 5 dye (prepared according to the manufacturer's instructions in HBSS) was added and plates incubated at 37°C for 1 hour. If appropriate, antagonists were added and incubated for 5 min at RT. The plates were then placed in a fluorescence reader whereupon agonist was added and fluorescence monitored.