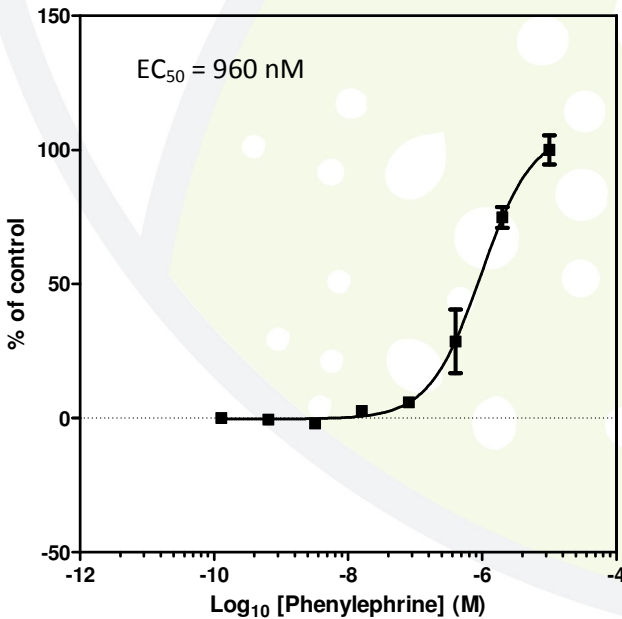


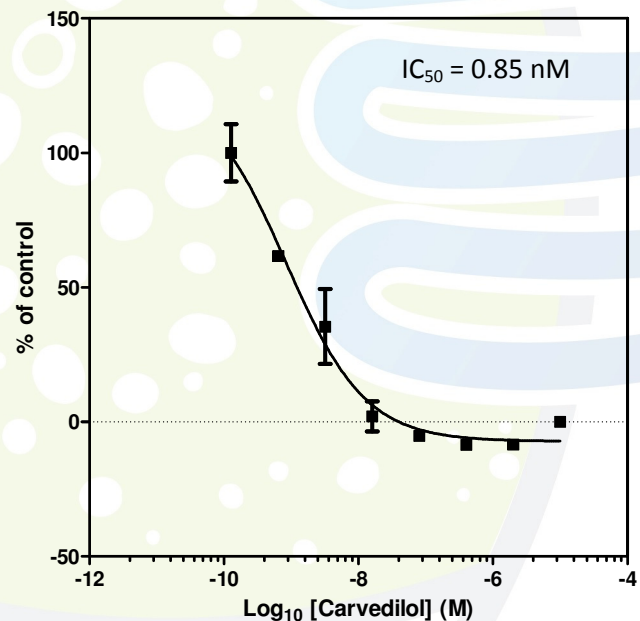
GPCR Profiling

Target:	Adrenergic α_{1A}
Available Assays:	Radioligand Binding & Cell-Based
Cell-Based Agonist:	Phenylephrine
Cell-Based Antagonist:	Carvedilol

Adrenergic α_{1A} Phenylephrine EC_{50}



Adrenergic α_{1A} Carvedilol IC_{50}



GPCR-expressing cells were plated in black, clear-bottomed 96 well plates at a density of 25,000 cells per well in 100 μ l volume and incubated overnight. Next day, medium was removed and 25 μ l HBSS buffer (HEPES buffered Hank's balanced salt solution) was added to the wells. 10 μ l 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.