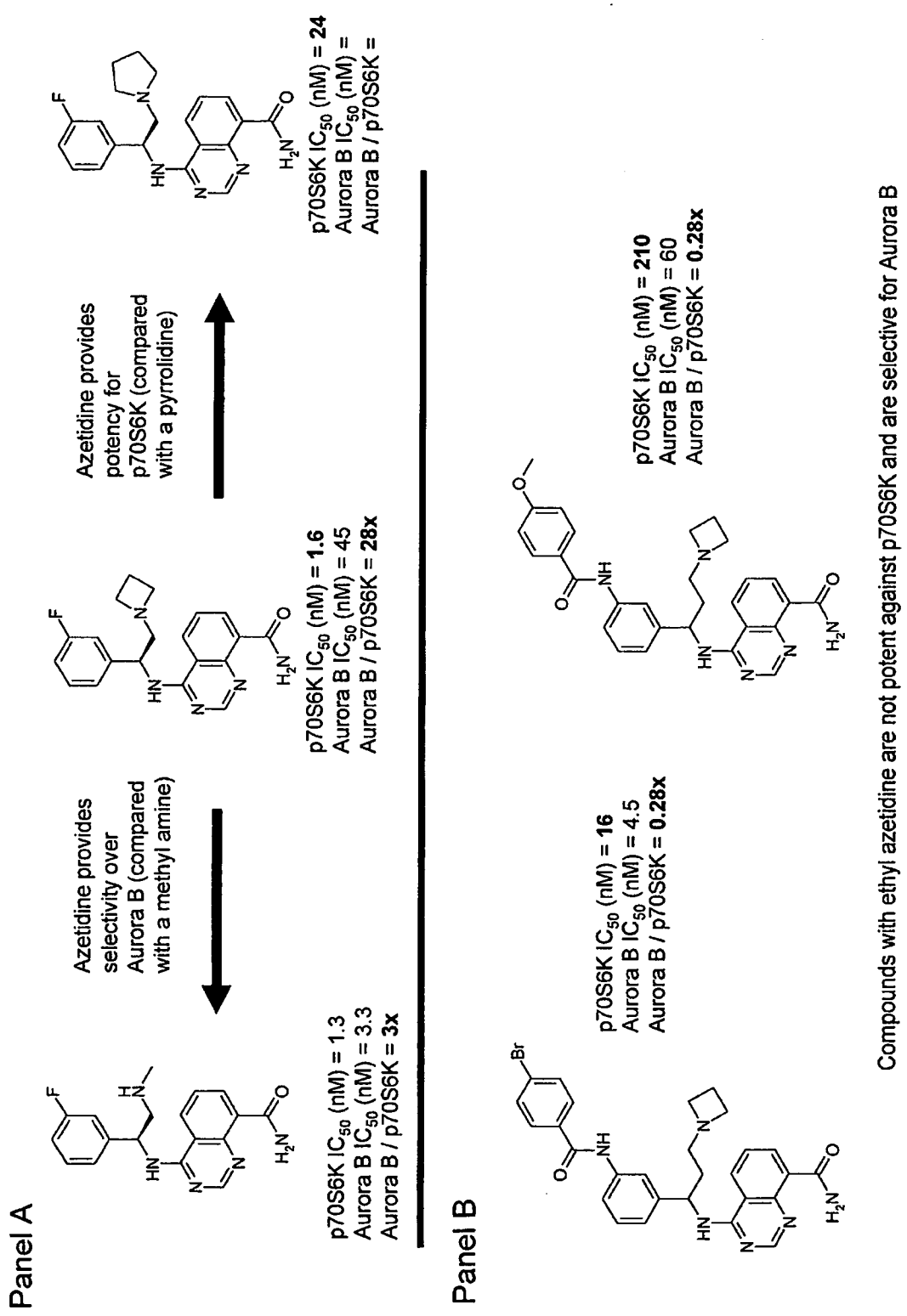
Fig.1


Panel A
Azetidine provides selectivity over Aurora B (compared with a methyl amine)
p70S6K IC50 (nM) = 1.3
Aurora B IC50 (nM) = 3.3
Aurora B / p70S6K = 3x
p70S6K IC50 (nM) = 1.6
Aurora B IC50 (nM) = 45
Aurora B / p70S6K = 28x
Azetidine provides potency for p70S6K (compared with a pyrrolidine)
p70S6K IC50 (nM) = 24
Aurora B IC50 (nM) =
Aurora B / p70S6K =
Panel B
p70S6K IC50 (nM) = 16
Aurora B IC50 (nM) = 4.5
Aurora B / p70S6K = 0.28x
p70S6K IC50 (nM) = 210
Aurora B IC50 (nM) = 60
Aurora B / p70S6K = 0.28x
Compounds with ethyl azetidine are not potent against p70S6K and are selective for Aurora B