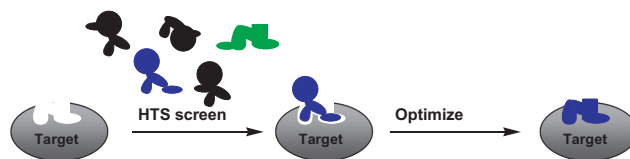
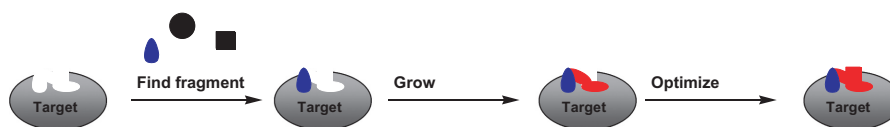


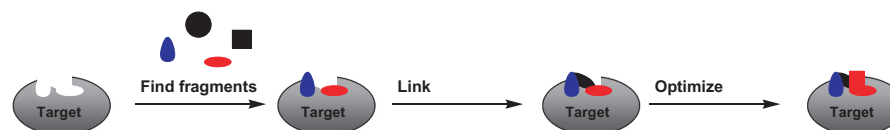
a) Traditional HTS



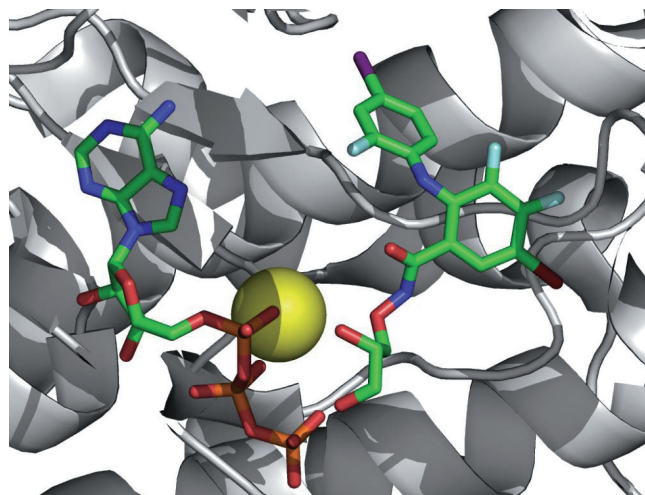
b) Fragment-based drug discovery, growing fragments



c) Fragment-based drug discovery, linking fragments

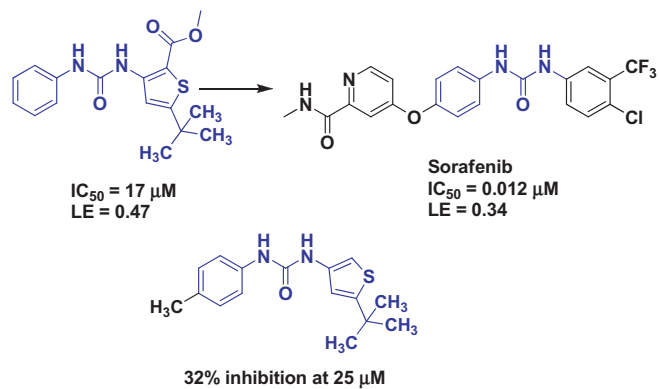


c18p001.eps

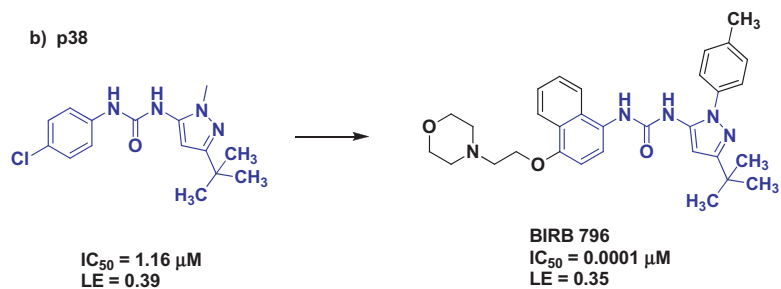


c18p002.eps

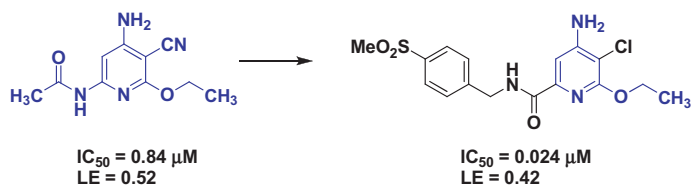
a) Raf-1



b) p38



c) JNK1



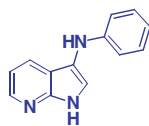
c18p003.eps

B-raf

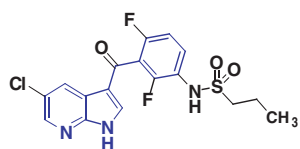


7-Azaindole
 $IC_{50} > 200 \mu M$ (Pim-1)
 $LE < 0.56$

c18p004.eps

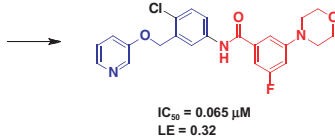
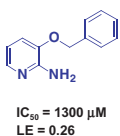


$IC_{50} \sim 100 \mu M$ (Pim-1)
 $LE = 0.34$

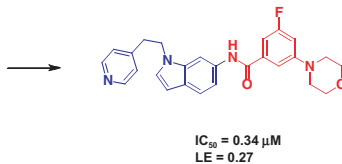
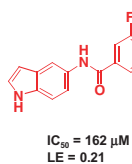
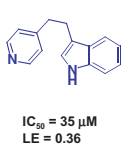


PLX4720
 $IC_{50} = 0.013 \mu M$ (B-Raf V600E)
 $LE = 0.40$

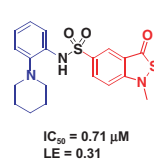
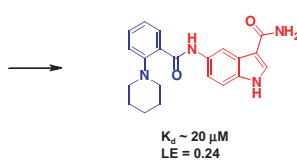
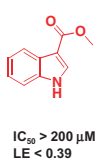
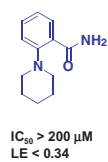
a) p38 α



b) p38 α

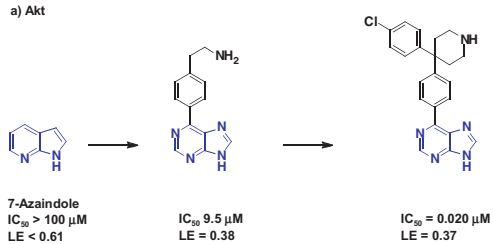


c) p38 α

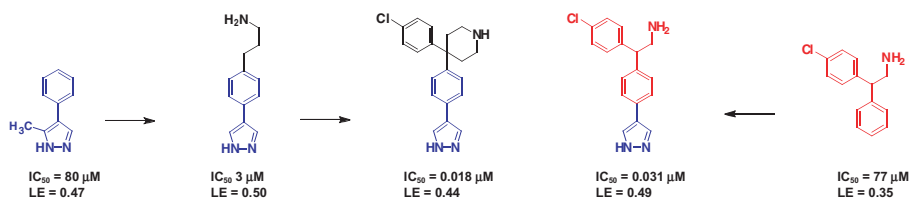
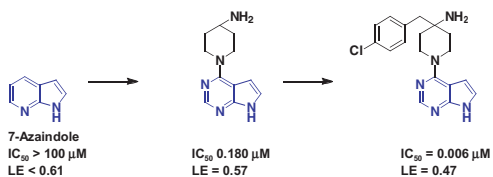


c18p005.eps

a) Akt

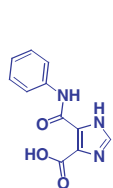


b) Akt

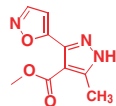


c18p006.eps

PDK1

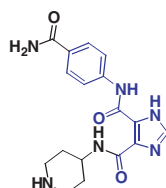


$IC_{50} = 180 \mu M$
 $LE = 0.30$

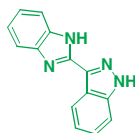


$IC_{50} = 150 \mu M$
 $LE = 0.35$

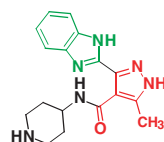
c18p007.eps



$IC_{50} = 1 \mu M$
 $LE = 0.31$

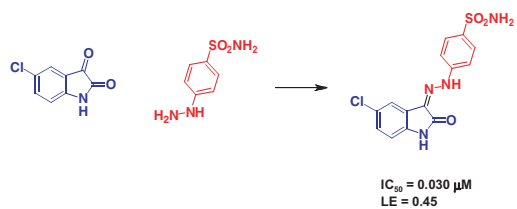


$IC_{50} = 3 \mu M$
 $LE = 0.42$

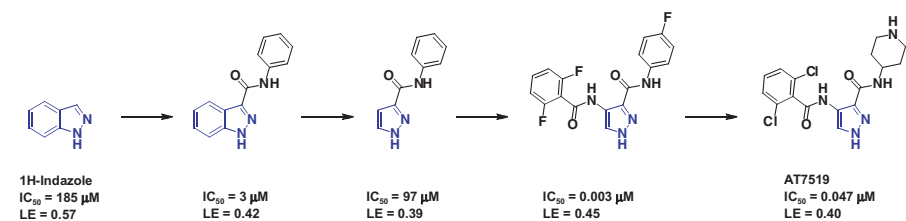


$IC_{50} = 0.09 \mu M$
 $LE = 0.40$

a) CDK2

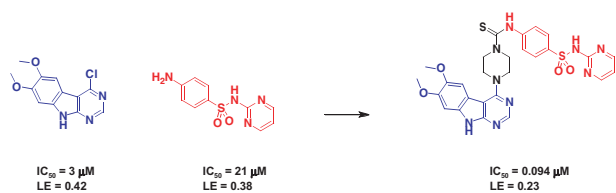


b) CDK2

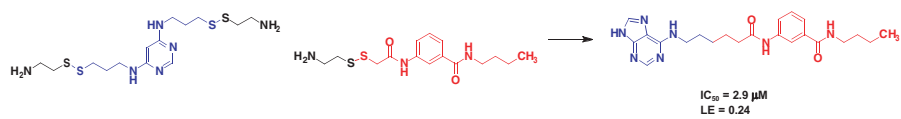


c18p008.eps

a) AuroraA



b) Aurora A



c18p009.eps