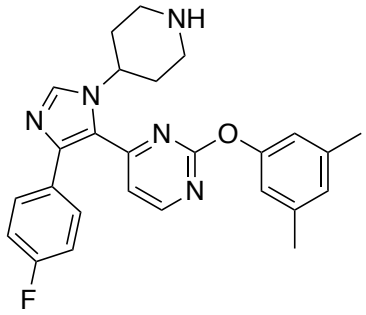
STK32B



SB-284851

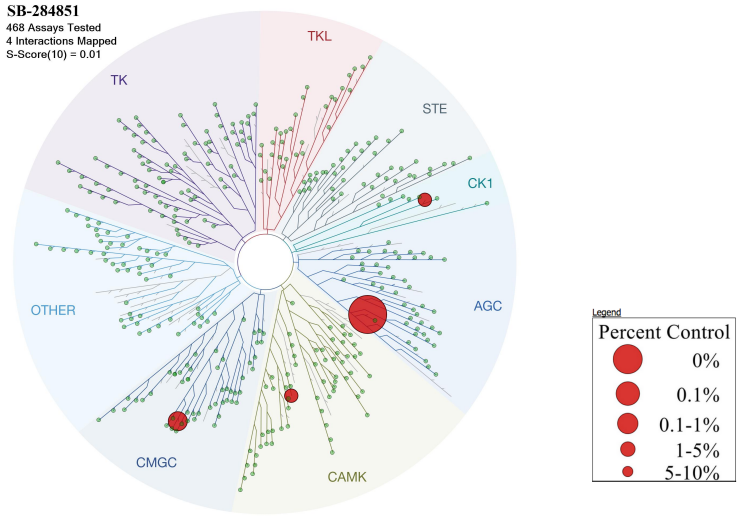
Chemical Name: 2-(3,5-dimethylphenoxy)-4-(4-(4-fluorophenyl)-1-(piperidin-4-yl)-1*H*-imidazol-5-yl)pyrimidine
CHEBI: 144677
Smile String:
CC1=CC(C)=CC(OC2=NC=CC(C3=C(C4=CC=C(F)C=C4)N=CN3C5CCNCC5)=N2)=C1
Chemical Formula: $C_{26}H_{26}FN_5O$
Molecular Weight: 443.53
cLogP: 3.38
Source: SGC-UNC
Reference:
Drewry, D. H.; *et al*. “Progress towards a public chemogenomic set for protein kinases and a call for contributions.” *PLoS ONE* **2017**, *12*, e0181585.

Biochemical profiling

DiscoverX (403 wild-type human kinases)

S_{10} (1μM): 0.01 (4 kinase < 10% control)

STK32B K_d = 160 nM



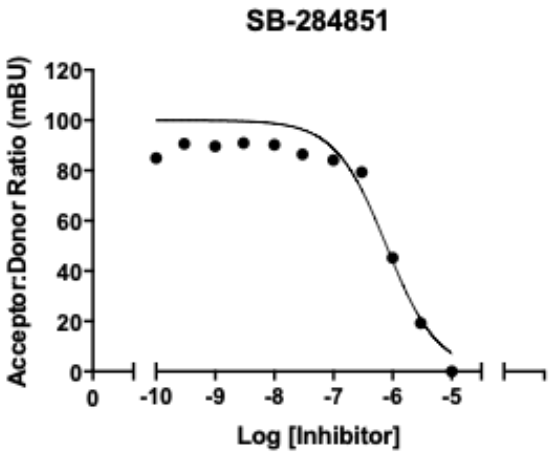
Kinase	% Control @ 1uM
PRKCI	0
p38-alpha	1.2
PIM1	9.4
CSNK1D	9.9
STK32B	12
CIT	13
JAK1 (JH1 domain)	14
ERBB2	15

a.Treespot of DiscoverX KINOMEscan data. b. List of kinases inhibited < 20% control

Cellular target engagement in HEK293 cells

NLuc-STK32B (N term)

STK32B IC_{50} = 995 nM



Cellular target engagement of SB-284851 with STK32B