

**Supplementary Table 1. Profiling of INCB28060 against 57 human kinases**

Kinase	Mean % inhibition of control
ABL	-2
AKT1/PKB $\alpha$	1
AKT2/PKB $\beta$	-3
AMPK $\alpha$	11
AXL	29
BMX (ETK)	7
BRK	-6
BTK	1
CaMK2 $\alpha$	-2
CaMK4	-6
CDK1	2
CDK2	6
CHK1	-4
CHK2	-1
CK2	3
c-KIT	-5
c-MET	101
CSK	-3
EphB2	-2
EphB4	1
ERK1	-1
ERK2	1
FGFR2	1
FGFR4	0
FLT-1	-2
FLT-3	12
FYN	0
ErbB2/HER2	8
IGF1R	-7
IRK	-4
JAK2	-9
JNK2	0
KDR (VEGFR2)	-27
LCK	-2
LYN	7
MAPKAPK2	-2
MEK1/MAP2K1	-1
p38 $\alpha$	-11
p38 $\delta$	-3
P38 $\gamma$	7
PDGFR $\beta$	-5
PDK1	1

PKA	-1
PKC $\alpha$	7
PKC $\beta$ 1	-1
PKC $\beta$ 2	9
PKC $\gamma$	15
RET	-3
ROCK1	0
ROCK2	0
RSK2	3
SRC	-18
SYK	1
TIE2	0
TRKA	1
TRKB	14
YES	-2

The kinase profiling was conducted by CEREP according to the manufacturer's specifications.