

**Supplementary Table 6: KINOMEScan™ screening comparison of HC4, HC19, HC28 and GSK-157 at concentrations of 0.1, 1.0 and 10 μM versus select kinases in the HER family signaling pathway**

KINOMEScan Gene Symbol	Entrez Gene Symbol	GSK-157			HC4			HC19			HC28		
		0.1 μM	1.0 μM	10.0 μM	0.1 μM	1.0 μM	10.0 μM	0.1 μM	1.0 μM	10.0 μM	0.1 μM	1.0 μM	10.0 μM
AKT1	AKT1	100	96	87	93	91	95	100	100	100	100	100	100
AKT2	AKT2	94	100	95	94	100	100	100	96	98	100	100	100
AKT3	AKT3	100	81	82	97	95	87	100	100	96	100	100	100
EGFR	EGFR	100	100	92	100	79	77	100	99	100	100	100	98
ERBB2	ERBB2	91	85	24	94	100	65	85	88	75	79	81	80
ERBB3	ERBB3	88	96	87	92	91	90	99	100	92	83	93	89
ERBB4	ERBB4	68	77	74	90	83	91	100	100	100	98	100	100
ERK1	MAPK3	90	100	100	96	96	99	96	93	99	100	100	100
ERK2	MAPK1	99	98	96	100	91	96	100	91	100	100	100	100
ERK3	MAPK6	91	100	100	85	100	84	100	100	100	100	100	99
ERK4	MAPK4	100	100	96	89	98	91	97	100	100	100	100	100
ERK5	MAPK7	100	91	100	98	95	91	100	100	100	100	100	100
ERK8	MAPK15	98	66	81	100	82	88	99	100	100	100	80	84
S6K1	RPS6KB1	80	83	50	84	89	82	93	91	88	100	99	100
SRC	SRC	88	60	7	93	95	86	100	100	100	100	100	97
SYK	SYK	97	76	92	81	65	84	100	100	100	100	100	82
CSK	CSK	89	97	41	95	96	81	98	94	89	97	98	93
PIK3CA	PIK3CA	98	90	91	95	89	100	100	100	100	100	100	100
PIK3CB	PIK3CB	97	100	100	100	100	97	84	91	70	91	90	89
PIK3CG	PIK3CG	92	76	72	76	88	60	100	100	75	100	100	100
PIK3C2B	PIK3C2B	63	94	5	85	73	7	100	40	1	100	59	25
PYK2	PTK2B	91	84	85	91	89	93	100	100	100	100	100	100

The compounds were screened at concentrations of 0.1, 1.0 and 10 μM, and results for primary screen binding interactions are reported as '% Ctrl', where lower numbers indicate stronger hits in the matrix. Red highlights those hits as <30% of Ctrl.