TABLES

Supplementary Table 1. Summary of Growth Factor and AMG 479 Effects on IGF-1R and INSR Signaling in BxPC-3 and MiaPaCa2 Pancreatic Cancer Cell Lines *In Vitro*

Cell Line	**Marker**	**Dosed Growth Factor**	**IGF-1 (nM) EC_{50} or IC_{50}**	**IGF-2 (nM) EC_{50} or IC_{50}**	**INS (nM) EC_{50} or IC_{50}**
BxPC-3	IGF-1R	IGF-1, IGF-2, INS	1.0 (0.50 to 2.1)	18 (9.5 to 34)	> 200
	INSR	IGF-1, IGF-2, INS	No Effect	No Effect	No Effect
	IRS-1	IGF-1, IGF-2, INS	0.41 (0.11 to 1.56)	22 (7.5 to 64)	ND
	Akt	IGF-1, IGF-2, INS	0.61 (0.40 to 0.93)	12 (7.1 to 22)	> 100
	S6 Kinase	IGF-1, IGF-2, INS	1.8 (0.58 to 5.7)	6.0 (2.8 to 13)	4.3 (1.1 to 17)
	GSK3β	IGF-1, IGF-2, INS	0.31 (0.16 to 0.59)	5.3 (1.7 to 16)	> 200
	IGF-1R	AMG 479	3.2 (1.1 to 9.5)	1.5 (0.92 to 2.4)	ND
	INSR	AMG 479	ND	ND	ND
	IRS-1	AMG 479	0.29 (0.005 to 15)	0.41 (0.07 to 2.4)	ND
	Akt	AMG 479	3.7 (1.7 to 7.8)	2.1 (1.3 to 3.7)	1.3 (0.64 to 2.8)

	S6 Kinase	AMG 479	23.56 (6.8 to 81)	15 (4.5 to 52)	5.0 (0.59 to 42)
	GSK3β	AMG 479	13 (5.6 to 31)	3.7 (1.8 to 7.3)	3.4 (0.71 to 16)
MiaPaCa2	IGF-1R	IGF-1, IGF-2, INS	0.8251 (0.55 to 1.3)	9.9 (6.3 to 16)	> 200
	INSR	IGF-1, IGF-2, INS	3.8 (2.1 to 6.7)	23 (18 to 28)	7.9 (4.9 to 13)
	IRS-1	IGF-1, IGF-2, INS	3.8 (0.56 to 26)	23 (7.2 to 73)	5.2 (2.1 to 13)
	Akt	IGF-1, IGF-2, INS	0.57 (0.41 to 0.79)	2.6 (1.7 to 4.0)	4.1 (2.0 to 8.4)
	S6 Kinase	IGF-1, IGF-2, INS	ND	ND	ND
	GSK3β	IGF-1, IGF-2, INS	ND	ND	ND
	IGF-1R	AMG 479	1.1 (0.67 to 1.9)	1.2 (0.61 to 2.2)	ND
	INSR	AMG 479	111 (46 to 268)	ND	ND
	IRS-1	AMG 479	ND	ND	ND
	Akt	AMG 479	50 (29 to 84)	60 (17 to 210)	No Effect
	S6 Kinase	AMG 479	ND	ND	ND
	GSK3β	AMG 479	ND	ND	ND

Abbreviations: ND, not determined; EC_{50}, half maximal effective concentration (IGF or INS); IC_{50}, inhibitory concentration (AMG 479).

The EC_{50} for ligand stimulation and the IC_{50} for antibody inhibition were extracted from the dose-response experiments when significant effects were observed using Mesoscale™ multiplex assays (MSD). BxPC-3 or MiaPaCa2 cells were serum starved for 24h and incubated with IGF-1, IGF-2, or INS (0-200nM) for 20 min. To determine the effect of AMG 479 on ligand-induced activation, the experiments were repeated with fixed concentrations of ligands plus a range of AMG 479 concentrations (0-1µM).