Electronic Supplementary Material (ESI) for RSC Medicinal Chemistry.
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Supplementary figures

Table S1: A summary of all the current IR, IGF1R and hybrid receptor structures. Small molecule bound kinase structures have been omitted for clarity.

Receptor	Construct	Technique	Fab	Ligand	Resolution (Å)	PDB	Date
IR	TK domain (apo)	XRCD	None	-	2.1	1IRK	1994(1)
IR	TK domain (activated)	XRCD	None	-	1.9	1IR3	1997(2)
IR	L1-CR-L2	XRCD	None	None	2.3	2HR7	2006(3)
IR	ECD homodimer	XRCD	2 x (83-7 + 83-14)	None	3.8	2DTG	2006(4)
					3.8	3LOH	2010(5)
IR	L1-CR + $\alpha CT^{704-719}$	XRCD	83-7	Ins	3.9	3W11	2013(6)
					3.3	40GA	2014(7)
IR	[L1-CR-L2-(FnIII-I)-$\alpha CT^{704-719}$]$_2$	XRCD	2 x 83-14	Ins	4.4	3W14	2013(6)
IR	L1-CR + $\alpha CT^{697-719}$	XRCD	83-7	[D-Pro^{B26}]-DTI-NH_2	4.3	3W13	2013(6)
IR	TM domain	NMR	None	-	-	2MFR	2014(8)
IR	L1-CR-$\alpha CT^{697-719}$	XRCD	None	None	3.0	4XST	2015(9)
IR	ECD homodimer	XRCD	2 x (83-7 + 83-14)	None	3.3	4ZXB	2016(10)
IR	ECD homodimer	EM	None	2 x Ins	4.3	6CE9	2018(11)
				1 x Ins	7.4	6CE7	
IR	ECD homodimer (w / leucine zipper)	EM	None	1 x Ins	3.2	6HN5	2018(12)
					4.2	6HN4	
IR	Full length (Only ECD modelled)	EM	None	4 x Ins	3.2	6PXV	2019(13)
					3.2	6PXW	
IR	ECD homodimer	EM	None	4 x Ins	4.3	6SOF	2020(14)
IGF1R	TKD (activated)	XRCD	None	-	2.1	1K3A	2001(15)
IGF1R	TKD (apo)	XRCD	None	-	1.5	1P4O	2003(16)

IGF1R	L1-CR-L2	XRCD	None	None	2.6	1IGR	1998(17)
IGF1R	ECD Homodimer	XRCD	2 x 24-60	None	3.0	5U8R	2018(18)
				2 x IGF1	3.3	5U8Q	
IGF1R	Full length	EM	None	IGF1	4.3	6PYH	2019(19)
IGF1R	ECD homodimer	EM	None	Ins	4.7	6JK8	2020(20)
				IGF1	7.7	EMD-0741	
IGF1R	Full length (Leucine zipper)	EM	None	IGF2	3.2	6VWG	2020(21)
					4.3	6VWH	
					3.7	6VWI	
					4.2	6VWJ	
Hybrid	IR: L1-CR + IGF1R: $\alpha CT^{691-706}$	XRCD	None	IGF1	3.0	4XSS	2015(9)

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