

Table S1. In vitro and in vivo data used in the study (expressed in the form of the pEC50 values).

Compound/parameter	Gai2 activation	cAMP inhibition	bArr2 recruitment	Rab5 trafficking	GIRK activation	GRK2 recruitment
PZM21	103	100	70	88	95	105
SR17018	98	97	28	75	88	66
Morphine	86	84	14	51	86	36
Fentanyl	61	62	12	59	78	41