



Cite this: *Chem. Sci.*, 2018, 9, 2008

## Further Correction: Hypoxia inducible factor (HIF) as a model for studying inhibition of protein–protein interactions

George M. Burslem,<sup>ab</sup> Hannah F. Kyle,<sup>bc</sup> Adam Nelson,<sup>ab</sup>  
Thomas A. Edwards<sup>bc</sup> and Andrew J. Wilson<sup>\*ab</sup>

DOI: 10.1039/c8sc90023j

[www.rsc.org/chemicalscience](http://www.rsc.org/chemicalscience)

Correction for 'Hypoxia inducible factor (HIF) as a model for studying inhibition of protein–protein interactions' by George M. Burslem *et al.*, *Chem. Sci.*, 2017, 8, 4188–4202.

The authors regret that there are additional errors in the original manuscript that were not noted in the first correction notice.

Table 1 is incorrect in the original manuscript as a number of citations were incorrectly numbered and some PDB IDs were omitted from the original table. The correct table is displayed below.

Table 1 Summary of the currently available HIF structures

Structure	Structure details	PDB ID	Ref.
HIF dimers	HIF1 $\alpha$ /ARNT	4H6J	33
	HIF2 $\alpha$ /ARNT/co-activator complex	4PKY	34
	HIF2 $\alpha$ /ARNT complex	3F1P	35
	HIF2 $\alpha$ /ARNT complex with an artificial ligand bound	3F1O	
	HIF2 $\alpha$ /ARNT complex	4ZP4	55
	HIF2 $\alpha$ /ARNT complex with a benzoxadiazole ligand bound	4GS9, 4GHI	36 and 37
	HIF2 $\alpha$ -ARNT bound to PT2399	5UFP	38
	HIF2 $\alpha$ -ARNT bound to PT2385	5TBM	39
	HIF2 $\alpha$ -ARNT PAS domain bound to tetrazole containing antagonist	4XT2	40
	HIF2 $\alpha$ -ARNT complex bound to proflavin	4ZPH	55
	HIF2 $\alpha$ -ARNT complex with HRE DNA	4ZPK	55
	HIF2 $\alpha$ -ARNT bound to benzoxadiazole antagonist	4ZQD	55
	HIF1 $\alpha$ -ARNT complex with HRE DNA	4ZPR	55
	HIF2 $\alpha$ -ARNT bound to benzoxadiazole antagonist	4ZQD	55
HIF-FIH complexes	HIF2 $\alpha$ -ARNT bound to THS017/THS020	3H7W, 3H82	41
	HIF2 $\alpha$ -ARNT complex with ethylene glycol	3F1N	35
	FIH in complex with HIF-1 $\alpha$	1H2K, 1H2L, 1H2M	42
	FIH (D201E) complex with HIF-1 $\alpha$ and $\alpha$ -ketoglutarate	5JWP	43
HIF-PHD complexes		3D8C, 2ILM	44
	PHD2 in complex with 2OG and HIF-1 $\alpha$ CODD	5L9B, 5L9V, 5LA9	45
		5LAS	
vHL-HIF complexes	PHD2 in complex with NOG and HIF-1 $\alpha$	3HQK	133
	vHL/elongin/B-elongin/C-elongin complex bound to HIF-1 $\alpha$	4AJY	46
		1LQB	47
HIF-1 $\alpha$ complexes		1LM8	48
	NMR structures of HIF-1 $\alpha$ bound to p300	1L3E	62
		1L8C	63

<sup>a</sup>School of Chemistry, University of Leeds, Woodhouse Lane, Leeds LS2 9JT, UK. E-mail: a.j.wilson@leeds.ac.uk

<sup>b</sup>Astbury Centre for Structural Molecular Biology, University of Leeds, Woodhouse Lane, Leeds LS2 9JT, UK

<sup>c</sup>School of Molecular and Cellular Biology, Faculty of Biological Sciences, University of Leeds, Woodhouse Lane, Leeds LS2 9JT, UK



Ref. 88 is incorrect in the original manuscript the correct citation is: J. S. Isaacs, Y.-J. Jung, E. G. Mimnaugh, A. Martinez, F. Cuttitta and L. M. Neckers, *J. Biol. Chem.*, 2002, **277**, 29936–29944.

Ref. 89 is incorrect in the original manuscript the correct citation is: E. Hur, H.-H. Kim, S. M. Choi, J. H. Kim, S. Yim, H. J. Kwon, Y. Choi, D. K. Kim, M.-O. Lee and H. Park, *Mol. Pharmacol.*, 2002, **62**, 975–982.

Ref. 99 is incorrect in the original manuscript the correct citation is: S. Kaluz, M. Kaluzová and E. J. Stanbridge, *Mol. Cell. Biol.*, 2006, **26**, 5895–5907.

Table 2 is also incorrect as a number of citations were incorrectly numbered. The correct table is displayed below.

**Table 2** Selected examples of HIF modulators. Error are given where available

Ligand	Target	Potency	Ref.
EZN-2698	mRNA	IC <sub>50</sub> = 1–5 nM	75
Topotecan	Topoisomerase I	IC <sub>50</sub> = 11 ± 1.3 μM	76
EZN-2208	Topoisomerase I	IC <sub>50</sub> = 0.5 ± 0.3 μM	78
Digoxin	HIF-1α protein expression	IC <sub>50</sub> = 50 nM	79
PX-478	HIF-1α protein expression	IC <sub>50</sub> = 20 ± 2 μM	80
DMOG	PHD2	IC <sub>50</sub> = 9.3 μM	82
FG-2216	PHD2	IC <sub>50</sub> = 0.3 μM	85
Geldanamycin	HSP90	K <sub>d</sub> = 1.21 μM	88
Ganete spib	HSP90	IC <sub>50</sub> = 4 nM	90
Echinomycin	HRE	IC <sub>50</sub> = 1.2 nM	96
Acridine	HIF-1α/β	IC <sub>50</sub> = 1 μM	101
Chetomin	Zinc ejection	IC <sub>50</sub> = 6.8 μM	32
Ninhydrin	Zinc ejection	IC <sub>50</sub> = 1.93 ± 0.97 μM	104
KCN-1	HIF-1α/p300	IC <sub>50</sub> = 0.65 ± 0.09 μM	105
KG548	ARNT/TACC3	IC <sub>50</sub> = 25 μM	109
KHS101	ARNT	IC <sub>50</sub> < 5 μM	109
cyclo-CLLFVY	HIF-1α/β	K <sub>d</sub> = 124 (± 23) nM	112
Phage display peptides	p300	K <sub>d</sub> = 20.67 (± 23) μM	65
Phage display Affimers	p300	K <sub>d</sub> = 157 nM	65
HBS peptide helix 2	p300	K <sub>d</sub> = 420 nM	120
HBS peptide helix 3	p300	K <sub>d</sub> = 690 ± 25 nM	69
Oligoamide 1	p300	IC <sub>50</sub> = 9.2 μM	108
OHM-1	p300	K <sub>d</sub> = 420 nM	70 and 129

Ref. 133 is incomplete in the original manuscript. The correct citation should be: R. Chowdhury, M. A. McDonough, J. Mecinović, C. Loenarz, E. Flashman, K. S. Hewitson, C. Domene and C. J. Schofield, *Structure*, 2009, **17**, 981–989.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

