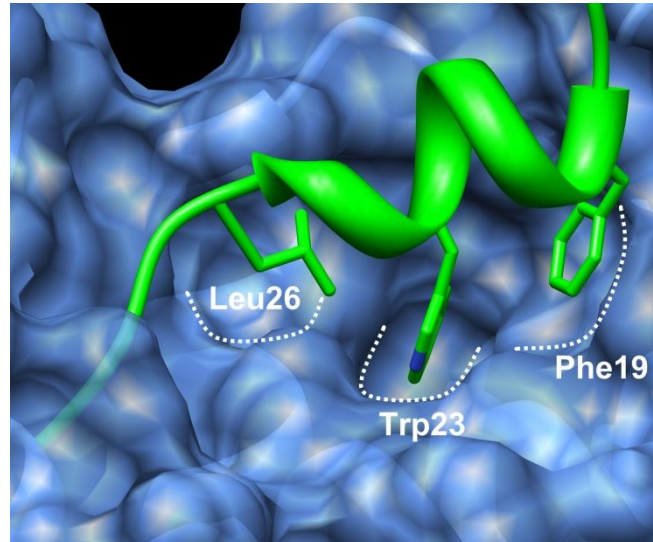


Apoptosis Therapy in Cancer: The First Single-molecule Co-activating p53 and the Translocator Protein in Glioblastoma

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Suppl. Figure 1



Supplementary Figure legends

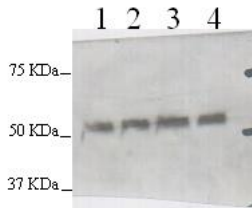
Suppl. Figure 1. X-ray co-crystal structure of p53 (green) with MDM2 (cornflower), p53 residues and corresponding binding pockets in MDM2 are labelled in white.

Full-length blots relative to the cropped images showed in the main Figures

Figure 6

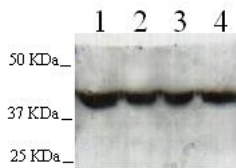
Figure 6 panel A

Left panel



WB: anti-p53

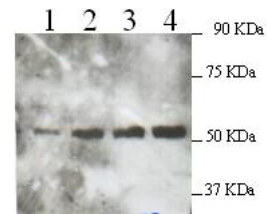
Lanes: 1 = Control
2 = Compound 1 (1 μ M)
3 = Compound 1 (5 μ M)
4 = Compound 1 (10 μ M)



WB: anti- β -actina

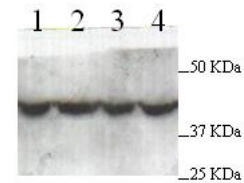
Lanes: 1 = Control
2 = Compound 1 (1 μ M)
3 = Compound 1 (5 μ M)
4 = Compound 1 (10 μ M)

Right panel



WB: anti-p53

Lanes: 1 = Control
2 = Compound 7 (1 μ M)
3 = Compound 7 (5 μ M)
4 = Compound 7 (10 μ M)

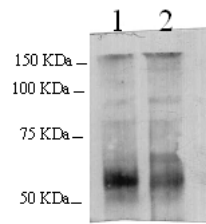


WB: anti- β -actina

Lanes: 1 = Control
2 = Compound 7 (1 μ M)
3 = Compound 7 (5 μ M)
4 = Compound 7 (10 μ M)

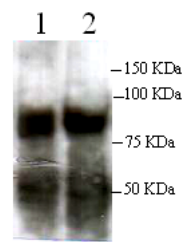
Figure 6 panel C

Upper panel



IP: anti-MDM2 WB: anti-p53
Lanes: 1 = Control
2 = Compound 1 (5 μM)

Lower panel



IP: anti-MDM2 WB: anti-MDM2
Lanes: 1 = Control
2 = Compound 1 (5 μM)

Supplementary Table 1. Real-time RT-PCR: primer nucleotide sequences, position in mRNA sequence and amplicon length.

Name and other designations	Accession number mRNA length	Primer nucleotide sequences	Primer position in mRNA sequence	Tm (°C)	Amplicon length
Mdm2, p53 E3 ubiquitin protein ligase homolog (mouse) (MDM2)	NM_002392.4 7472 pb	FOR: 5'-TCTAGGAGATTTGTTTGGCGT-3' REV: 5'-TCACAGATGTACCTGAGTCC-3;	Exon 4 (548-568) Exon 6 (653-672)	60 60	125 pb
Cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A)	NM_000389 2175 pb	FOR: 5'-TGCCGAAGTCAGTTCCTTG -3' REV: 5'-CATGGGTTCTGACGGACATC-3'	Exon 3 (50-68) Exon 4 (144-163)	60 62	134 pb
Bcl2 binding component 3 (BBC3), JFY1, PUMA	NM_001127240 1839 pb	FOR: 5'-GAGGAGGAACAGTGGGC-3' REV: 5'-CTAATTGGGCTCCATCTCGG-3'	Exon 4 (652-668) Exon 5 (830-849)	56 62	198 pb
Tumor protein p53 (TP53), antigen NY-CO-13, cellular tumor antigen p53, p53 tumor suppressor	NM_001126112 2588 pb	FOR: 5'CTTTGAGGTGCGTGTTTGTG-3' REV: 5' GTGGTTTCTTCTTTGGCTGG-3'	Exon 8 (1006-1025) Exon 9 (1147-1166)	60 60	161 pb
Actin,beta (ACTB)	NM_001101.3 1852 pb	FOR: 5'-GCACTCTTCCAGCCTTCCTTCC-3' REV-5'-GAGCCGCCGATCCACACG-3'	Exon 4 (862-884) Exon 6 (1097-1115)	70 62	254 pb