

## Supplementary Material

### Tables

**Table S1.** Effect of intermittent administration of AFB<sub>1</sub> (250 µg/kg b.w., i.g.) or DMSO 2% (10 mL/kg b.w., i.g.) on the organ weight of animals.

Organ	Relative weight to body weight		
	<i>DMSO</i>	<i>AFB1</i>	<i>P value</i>
<i>Brain</i>	0.97 ± 0.02	0.97 ± 0.01	0.85
<i>Heart</i>	0.44 ± 0.01	0.44 ± 0.01	0.84
<i>Kidneys</i>	1.03 ± 0.02	1.02 ± 0.01	0.85
<i>Liver</i>	5.75 ± 0.19	5.58 ± 0.15	0.50
<i>Lungs</i>	0.72 ± 0.01	0.74 ± 0.02	0.69
<i>Spleen</i>	0.32 ± 0.02	0.35 ± 0.02	0.38
<i>Testicles</i>	0.99 ± 0.03	0.96 ± 0.03	0.57

Data are reported mean ± S.E.M. for n = 8 animals in each group. Statistical evaluation was performed by unpaired Student's t test (p>0.05).

**Table S2.** Effect of intermittent administration of AFB<sub>1</sub> (250 µg/kg b.w., i.g.) or DMSO 2% (10 mL/kg b.w., i.g.) on relative organ weight compared to the brain weight.

Organ	Relative weight to brain weight		
	<i>DMSO</i>	<i>AFB1</i>	<i>P value</i>
<i>Heart</i>	45.45 ± 1.71	45.59 ± 1.36	0.94
<i>Kidneys</i>	106.7 ± 2.53	105.5 ± 1.63	0.67
<i>Liver</i>	592.9 ± 13.75	572.8 ± 15.76	0.35
<i>Lungs</i>	75.42 ± 2.65	75.99 ± 2.64	0.88
<i>Spleen</i>	33.42 ± 2.77	36.24 ± 2.79	0.48
<i>Testicles</i>	102.2 ± 3.68	98.39 ± 3.05	0.44

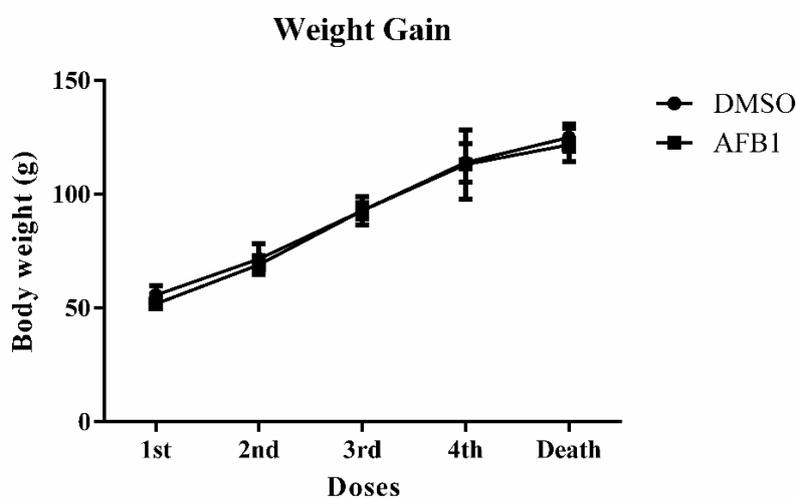
Data are reported mean ± S.E.M. for n = 8 animals in each group. Statistical evaluation was performed by unpaired Student's t test (p>0.05).

**Table S3.** Effect of intermittent administration of AFB<sub>1</sub> (250 µg/kg b.w., i.g.) or DMSO 2% (10 mL/kg b.w., i.g.) on Na<sup>+</sup>, K<sup>+</sup>-ATPase activity in cerebral cortex.

	DMSO	AFB1	P value	t(df)
<b>Na<sup>+</sup>, K<sup>+</sup>-ATPase</b>				
<b>(Δ min/mg protein)</b>				
<i>Isoform α1</i>	50.85 ± 3.55	63.35 ± 8.17	0.18	t(14)=1.40
<i>Isoform α2/α3</i>	21.74 ± 5.08	25.19 ± 2.49	0.55	t(14)=0.60
<i>Total</i>	72.59 ± 8.31	88.54 ± 9.89	0.23	t(14)=1.23

Data are reported mean ± S.E.M. for n = 8 animals in each group. Statistical evaluation was performed by unpaired Student's t test (p>0.05).

## Figures



**Figure S1.** Effect of intermittent administration of AFB<sub>1</sub> (250 µg/kg b.w., i.g.) or DMSO 2% (10 mL/kg b.w., i.g.) on body weight gain. Data are reported mean ± S.E.M. for n = 8 animals in each group. Statistical evaluation was performed by unpaired Student's t test (p>0.05).