

Supplementary Materials: Aryl Hydrocarbon Receptor Inhibition Restores Indoxyl Sulfate-Mediated Endothelial Dysfunction in Rat Aortic Rings

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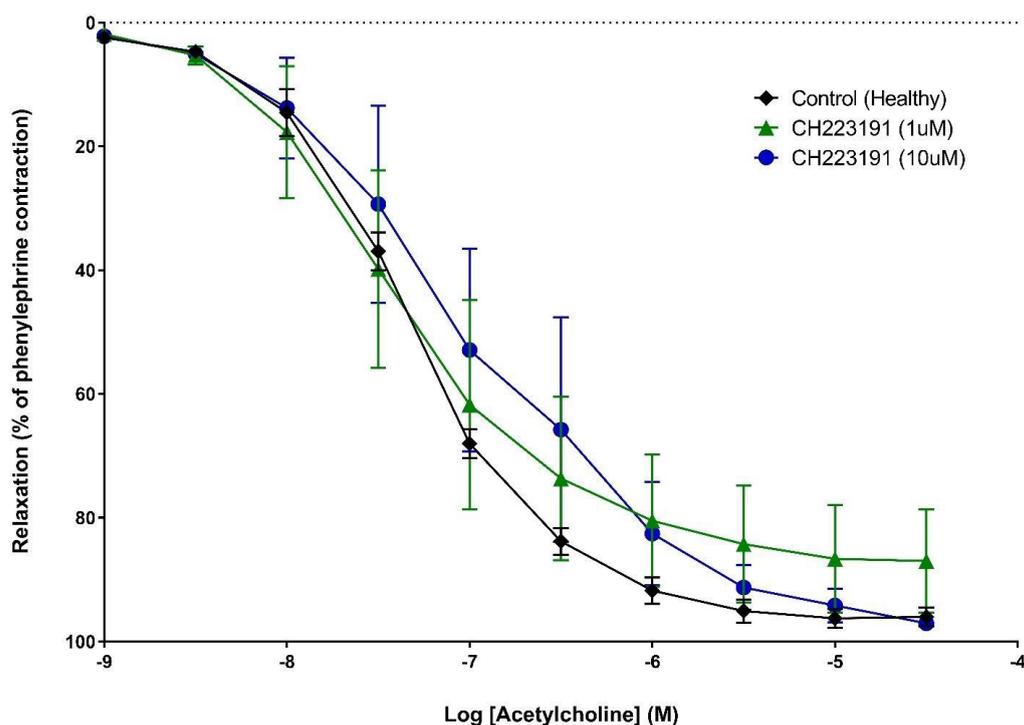


Figure S1. Effect of CH223191 alone on vascular reactivity in isolated rat aortic rings. Dose-response curves to acetylcholine were unaffected in the presence of CH223191 (1 and 10 μ M) alone compared to control.

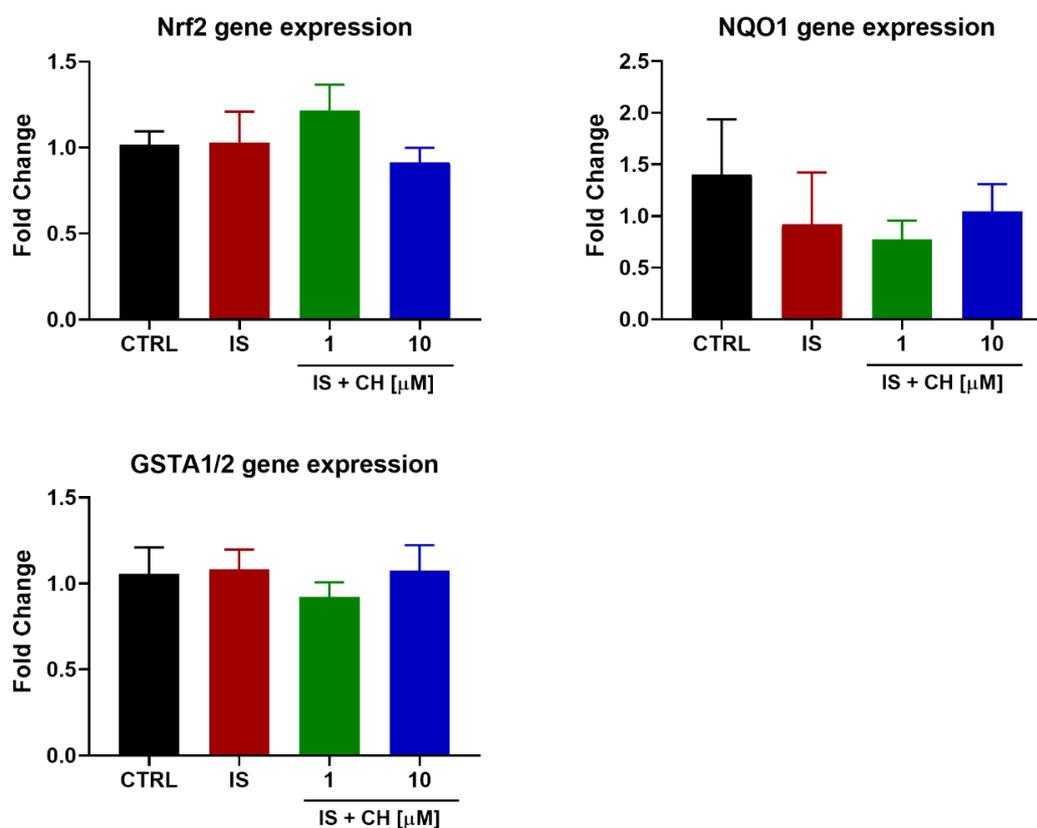


Figure S2. Effect of IS and AhR inhibition on Nrf2 and antioxidant gene expression. Exposure of aortic rings to IS in the absence and presence of CH223191 did not affect gene expression Nrf2, NQO1 and GSTA1/2. Data expressed as mean \pm SEM from N=6 experiments.

Table S1. Nucleotide sequences of primers used for gene quantification by real time PCR.

Gene of Interest	Primer Sequence (5'-3')
Rat 18S (House-keeping gene)	Forward: TCGAGGCCCTGTAATTGGAA
	Reverse: CCTCCAATGGATCCTCGTT
Rat CYP1A1	Forward: CCACAGCACCATAAGAGATACAAG
	Reverse: CCGGAAGTAGTTGGATCAC
Rat GSTA1/2	Forward: GGAGATTGATGGGATGAAGC
	Reverse: AACACCTTTTCAAAGGCAGG
Rat Nrf2	Forward: CTCCCAGGTTGCCACATTC
	Reverse: CCTGCCAAACTTGCTCCATG
Rat NQO1	Forward: GACATGAACGTCATTCTCTG
	Reverse: CTAGCTTTGATCTGGTTGTC
Rat TNF α	Forward: GTGATCGGTCCCAACAAGGA
	Reverse: CGCTTGGTGGTTTGCTACG
Rat VCAM-1	Forward: ACAAACGCTCGCTCAGATT
	Reverse: GTCCATGGTCAGAACGGACT