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Figure-4: Citrulline assay showing that the conversion of ADMA to L-citrulline by DDAH1 is proportional to time, temperature and enzyme concentration. Data is averaged from at least duplicate experiments.

Figure-5: Curve fit data showing inhibition of human DDAH-1 activity by selected small molecules using the CPM assay: A) ChemDiv Compound 2548-0707 B) ChemDiv Compound 2548-0703 C) 4-MMP and D) SCH-202676. The inhibitory concentration at 50% (IC₅₀) was calculated using Assay Explorer software.

Figure-6: Time-dependent inhibition study of two small molecules, phenylmercuric acetate and 4-chloromercuribenzoic acid (each at 50 μ M final concentration), using the fluorometric CPM assay (30 nM final enzyme concentration). Values are mean +/- SEM. Experiments were performed in triplicates.

Supplemental Figures:

Supplemental Figure S1: Measurement of L-citrulline from primary human endothelial cell lysate. Cells were treated with L-Arginine or Vehicle for 24 h and assayed for L-Citrulline levels. Values are mean +/- SEM. Experiments were performed in triplicates. *p <0.05.



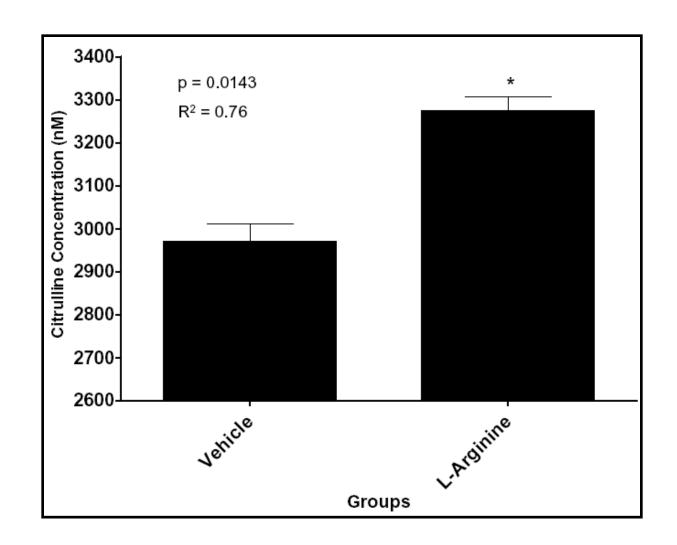


Figure: S1

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