

Supplementary Material

4-Arylthiosemicarbazide derivatives as toxoplasmic aromatic amino acid hydroxylase inhibitors and anti-inflammatory agents

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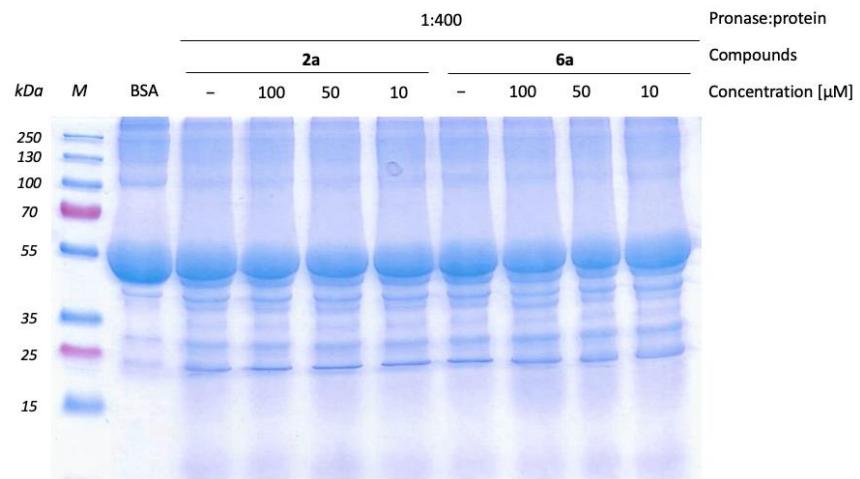


Figure S1. SDS-PAGE of BSA from the control drug affinity responsive target stability assay.

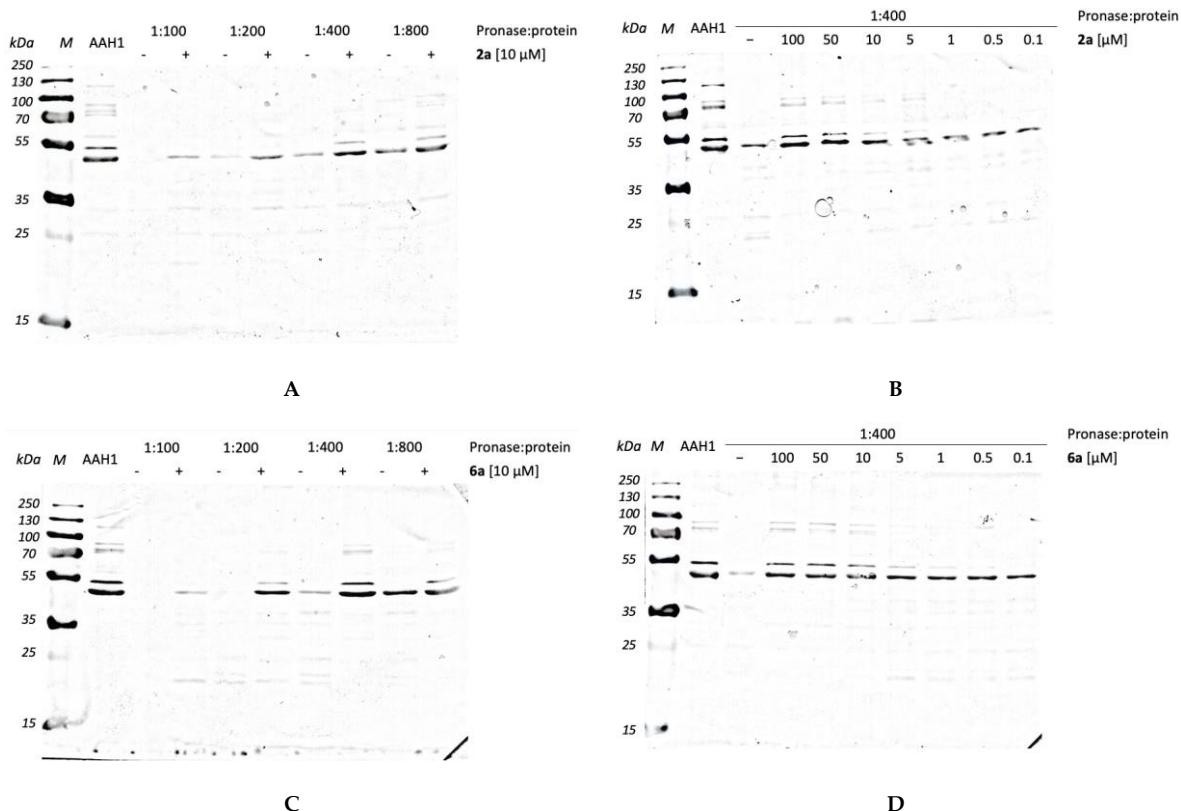


Figure S2. Western blots of AAH1 from the drug affinity responsive target stability assay. **A** Protection of AAH1 from proteolysis by **2a** in the presence of 10 µM of compound. **B**. Protection of AAH1 from proteolysis by **2a** in the presence of increasing concentrations of compound. **C**. Protection of AAH1 from proteolysis by **6a** in the presence of 10 µM of compound. **D**. Protection of AAH1 from proteolysis by **6a** in the presence of increasing concentrations of compound.

Table S1 The results of two-way ANOVA were conducted, and for significant comparisons, further analysis was performed using Dunnett's multiple comparisons test. The differences were considered significant with a p value < 0.05.

	NF-κB induction in THP1-Blue™			INF-γ production		
	Predicted mean difference	Summary	P value	Predicted mean difference	Summary	P value
TLA						
nt vs. 6a 2h a.s.	1.079	****	<0.0001	13,06	****	<0,0001
nt vs. 6a 2h b.s.	1.079	****	<0.0001	12,26	****	<0,0001
nt vs. 2a 2h a.s.	0.5013	****	<0.0001	12,50	****	<0,0001
nt vs. 2a 2h b.s.	1.076	****	<0.0001	11,86	****	<0,0001
BLA						
nt vs. 6a 2h a.s.	1.011	****	<0.0001	15,14	****	<0,0001
nt vs. 6a 2h b.s.	1.011	****	<0.0001	14,35	****	<0,0001
nt vs. 2a 2h a.s.	0.4389	****	<0.0001	14,59	****	<0,0001
nt vs. 2a 2h b.s.	1.003	****	<0.0001	14,75	****	<0,0001
AAH1						
nt vs. 6a 2h a.s.	1.657	****	<0.0001	21,04	****	<0,0001
nt vs. 6a 2h b.s.	1.914	****	<0.0001	19,92	****	<0,0001
nt vs. 2a 2h a.s.	0.8091	****	<0.0001	19,99	****	<0,0001
nt vs. 2a 2h b.s.	1.644	****	<0.0001	19,67	****	<0,0001
AAH2						
nt vs. 6a 2h a.s.	1.518	****	<0.0001	17,24	****	<0,0001
nt vs. 6a 2h b.s.	1.662	****	<0.0001	15,95	****	<0,0001
nt vs. 2a 2h a.s.	0.8798	****	<0.0001	16,92	****	<0,0001
nt vs. 2a 2h b.s.	1.466	****	<0.0001	16,20	****	<0,0001
LPS						
nt vs. 6a 2h a.s.	1.661	****	<0.0001	41,17	****	<0,0001
nt vs. 6a 2h b.s.	1.809	****	<0.0001	40,69	****	<0,0001
nt vs. 2a 2h a.s.	0.7927	****	<0.0001	40,20	****	<0,0001
nt vs. 2a 2h b.s.	1.342	****	<0.0001	40,61	****	<0,0001
not stimulated						
nt vs. 6a 2h a.s.	0.04591	ns	0.5062	-0,7622	ns	0,4697
nt vs. 6a 2h b.s.	0.04576	ns	0.5090	-1,063	ns	0,1917
nt vs. 2a 2h a.s.	0.04453	ns	0.5320	-0,4559	ns	0,8366
nt vs. 2a 2h b.s.	0.04428	ns	0.5367	-0,6224	ns	0,6416