

Supplementary Materials

Table S1: Cytotoxicity assays of DPBI and DBIP derivatives against human cell lines (HDF, PANC-1, and DLD-1).

Compound	EC ₅₀ (μM)		
	HDF	PANC-1	DLD-1
1	>10	>10	>10
2	>10	>10	>10
3	>10	>10	>10
4	>10	>10	>10
5	>10	>10	>10
6	>10	>10	>10
7	>10	>10	>10
8	>10	>10	>10
9	>10	>10	>10
10	>10	>10	>10
11	>10	>10	>10
12	>10	>10	>10
13	>10	>10	>10
14	>10	>10	>10
15	>10	>10	>10
16	>10	>10	>10
17	>10	>10	>10
18	>10	>10	>10
19	>10	>10	>10
20	>10	>10	>10
21	>10	>10	>10
22	>10	>10	>10
23	>10	>10	>10
24	>10	>10	>10
25	>10	>10	>10
26	>10	>10	>10
27	>10	>10	>10
28	>10	>10	>10
29	>10	>10	>10
30	>10	>10	>10
31	>10	>10	>10
32	>10	>10	>10
33	>10	>10	>10
34	>10	>10	>10
35	>10	>10	>10
36	8.38 ± 0.46	>10	>10
37	8.43 ± 1.9	>10	>10
38	>10	>10	>10
39	>10	>10	>10
40	9.16 ± 1.1	>10	>10
41	>10	>10	>10
42	9.77 ± 0.28	>10	>10
43	9.44 ± 2.30	>10	>10

Data are presented as the mean ± SD (n=3)

Figure S1: The inhibitory activity of DPBI derivatives against PfDHODH and their chemical structures.

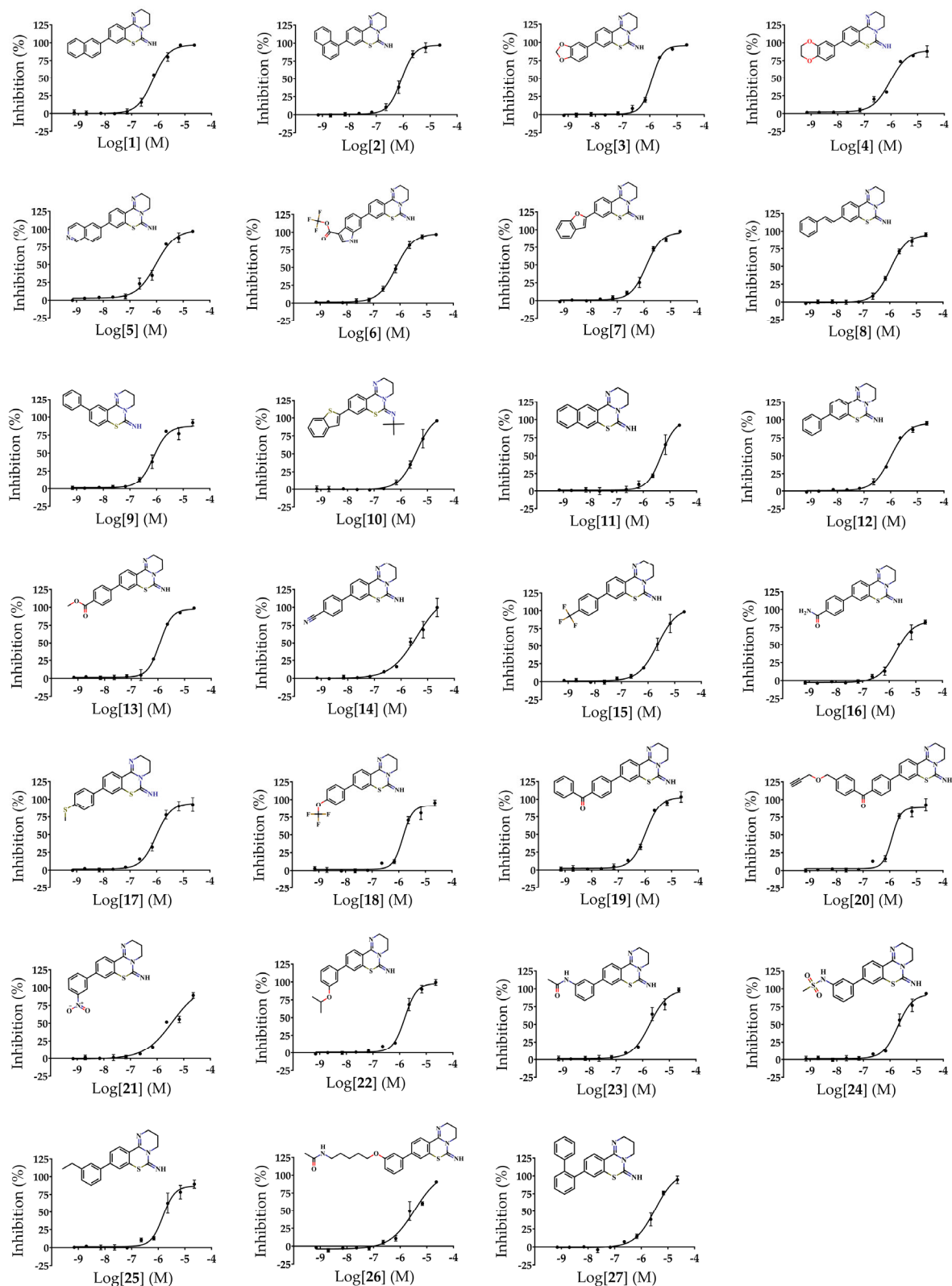


Figure S2: The inhibitory activity of DBIP derivatives against PfDHODH and their chemical structures.

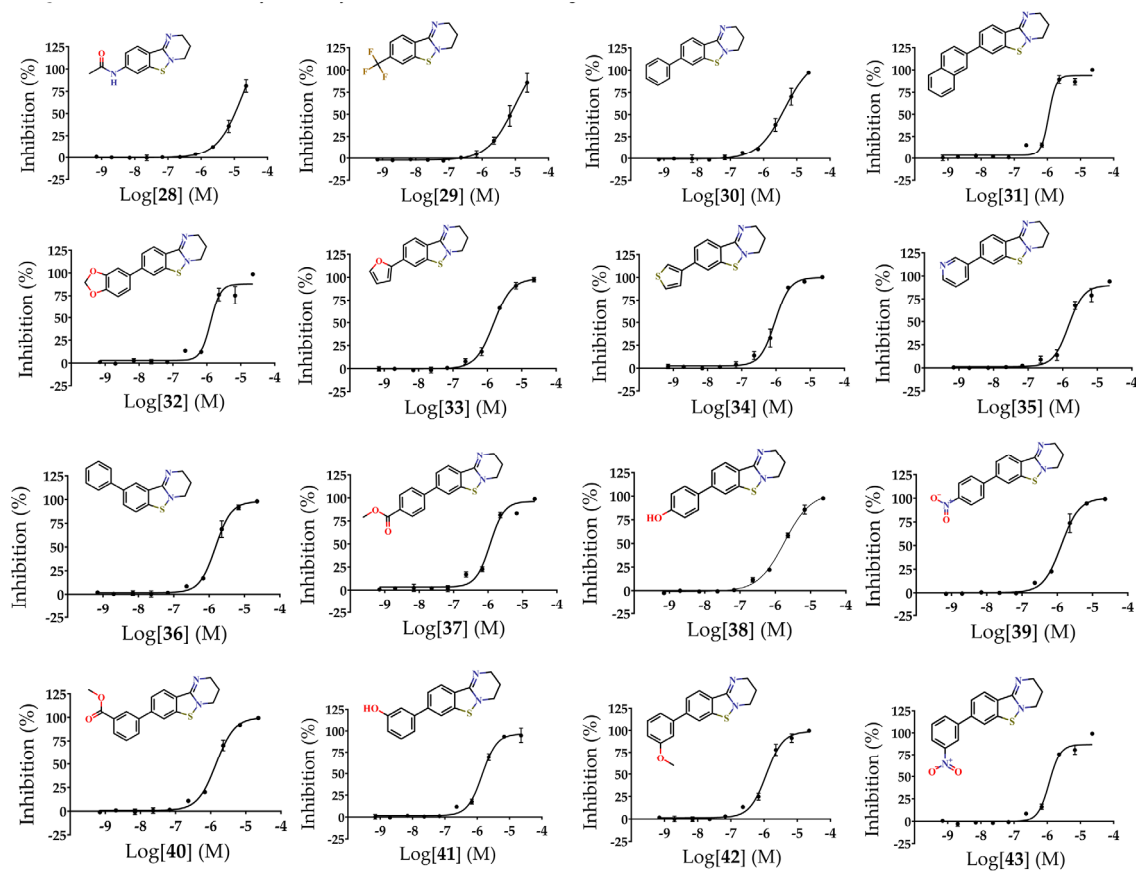


Figure S3: Normalized normal cell line (HDF) viability after 48 h.

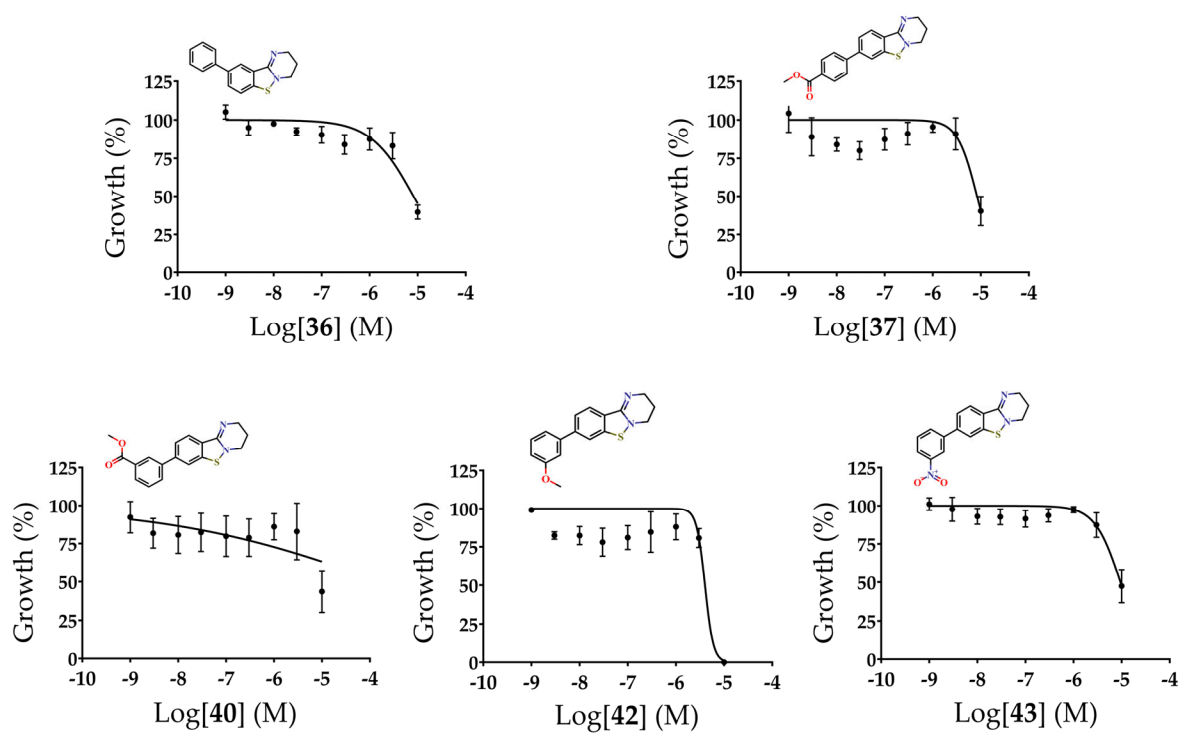
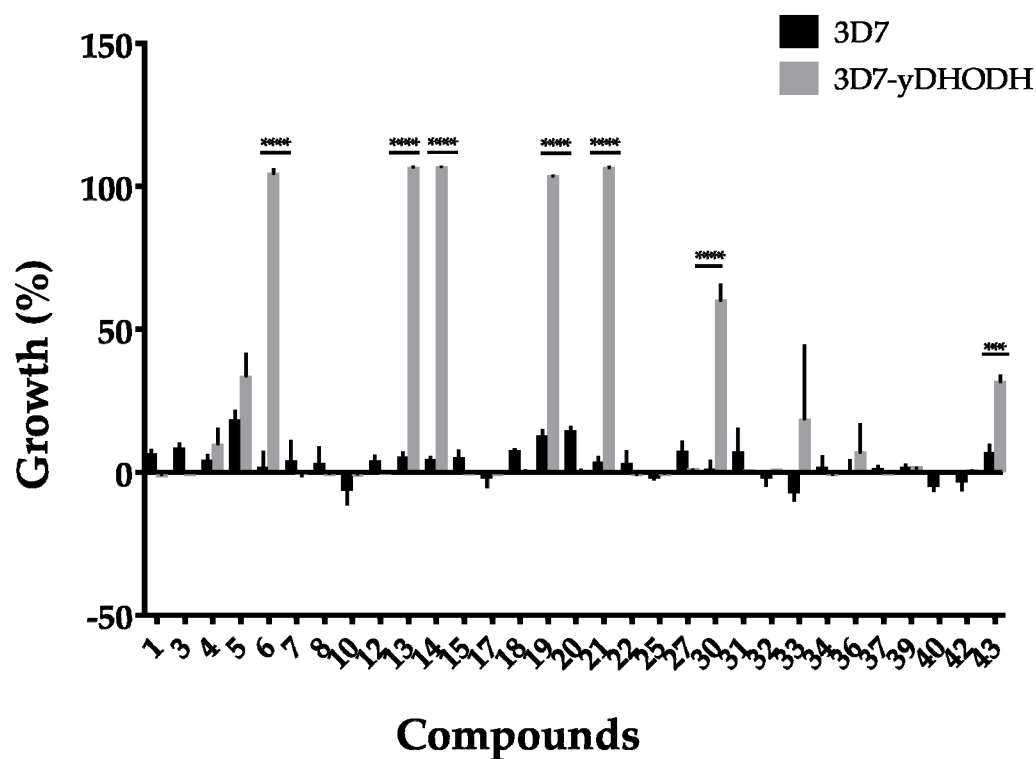


Figure S4: Antimalarial activity of PfDHODH inhibitors against *P. falciparum* 3D7 and 3D7-yDHODH at 10 μ M.



Data are presented as the mean \pm SD (n=3). Significance in difference between two parasites were tested by Student's *t* test. The asterisk marks a significant difference at the level of: * = $p < 0.05$, ** = $p < 0.01$, *** = $p < 0.001$, **** = $p < 0.0001$.