

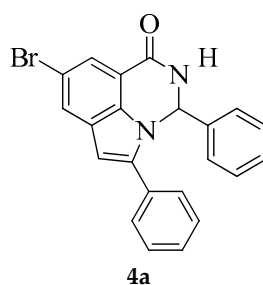
# Supplementary Materials: Novel 2,3-dihydro-1*H*-pyrrolo[3,2,1-*ij*]quinazolin-1-ones: Synthesis and Biological Evaluation

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Supplementary 1: Anticancer effect and IC<sub>50</sub> values of compounds 4a–k

S1–S8

Supplementary 2: % cell viability and IC<sub>50</sub> values of chloroquine and compounds 4a–l S9–S15



Compound 1

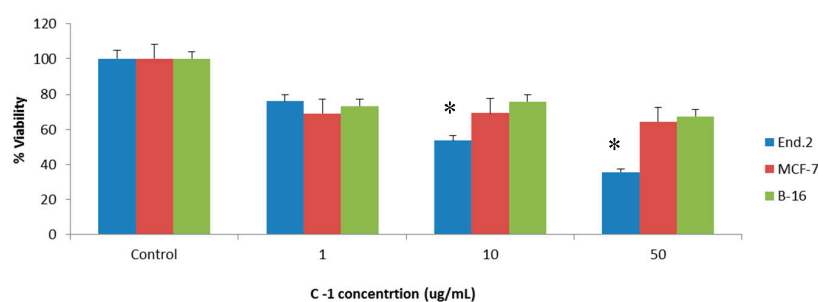
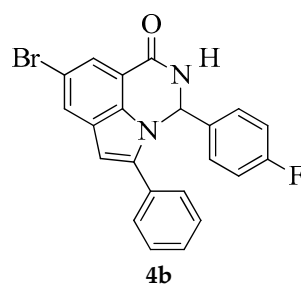


Figure S1. Anticancer effect of compound 4a. \* Significant activity at the indicated concentration.



Compound 2

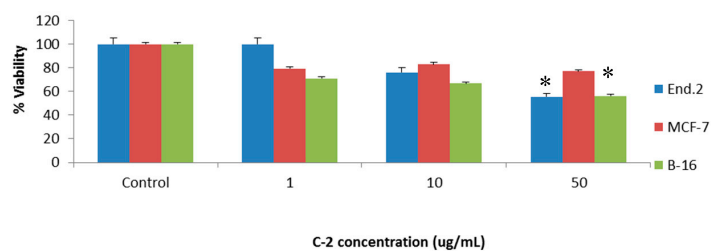
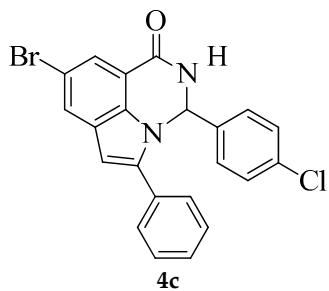
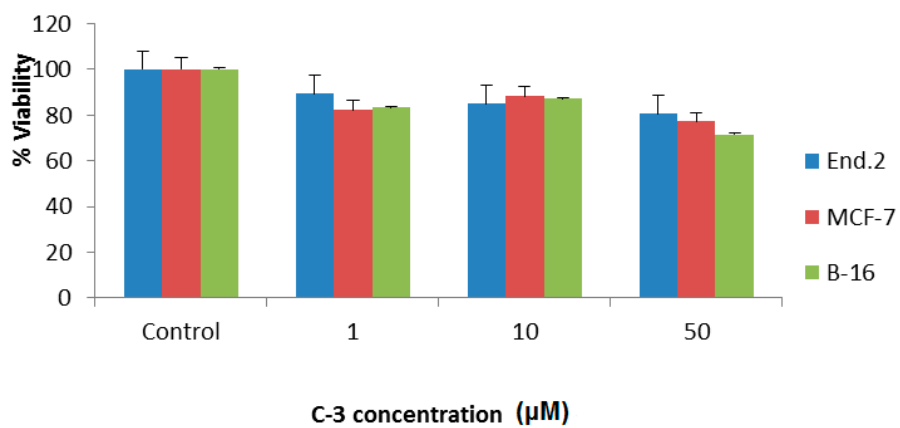


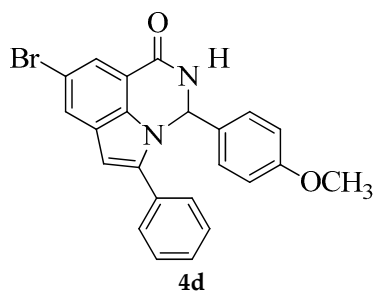
Figure S2. Anticancer effect of compound 4b. \* Significant activity at the indicated concentration.



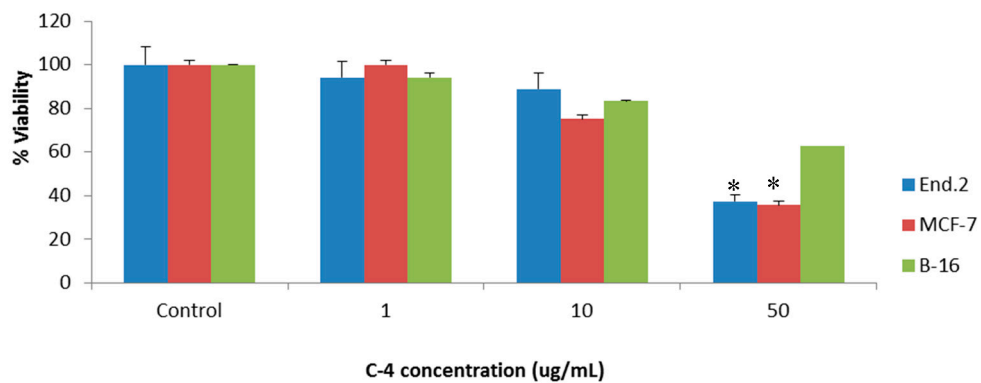
**Compound 3**



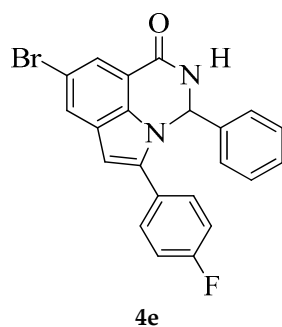
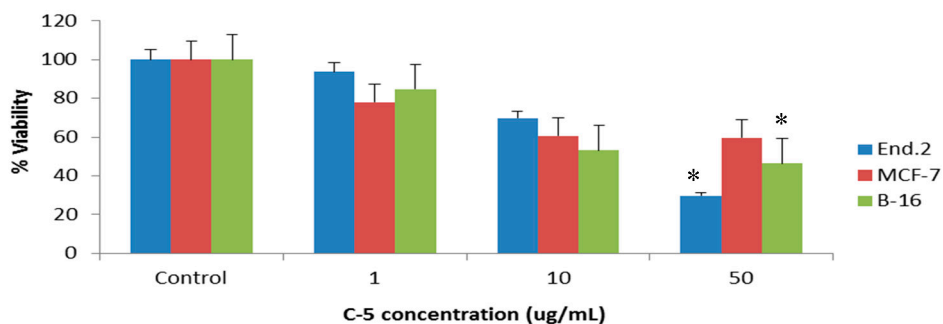
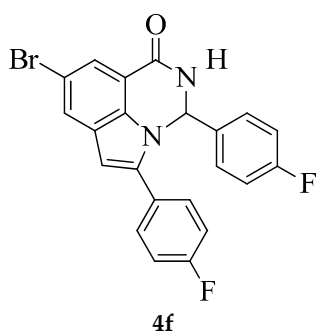
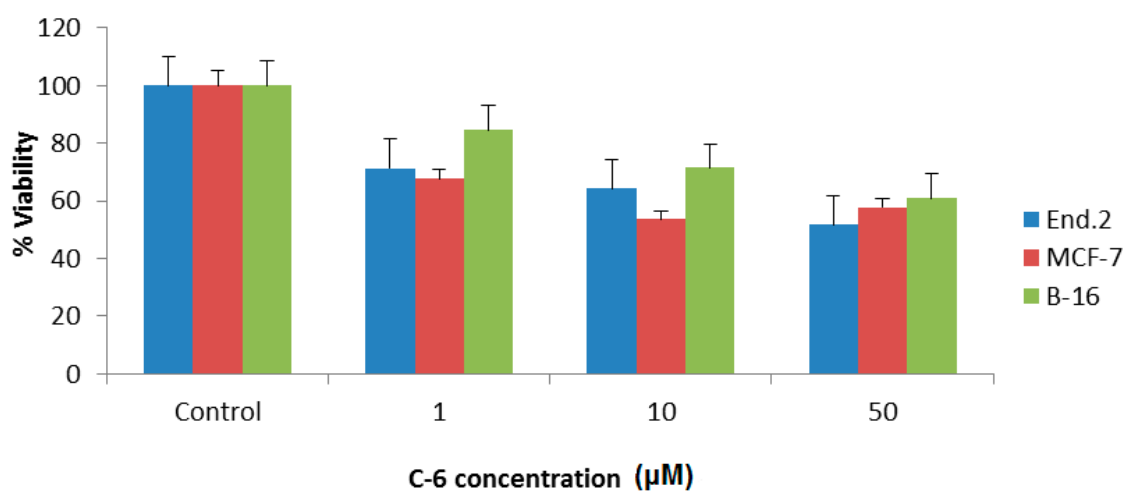
**Figure S3.** Anticancer effect of compound 4c.

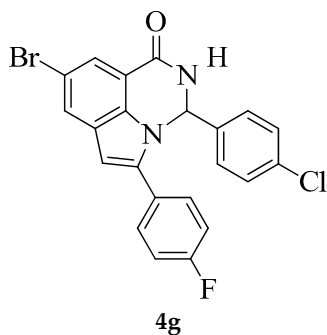


**Compound 4**



**Figure S4.** Anticancer effect of compound 4d. \* Significant activity at the indicated concentration.

**Compound 5****Figure S5.** Anticancer effect of compound 4e. \* Significant activity at the indicated concentration.**Compound 6****Figure S6.** Anticancer effect of compound 4f.



**Compound 7**

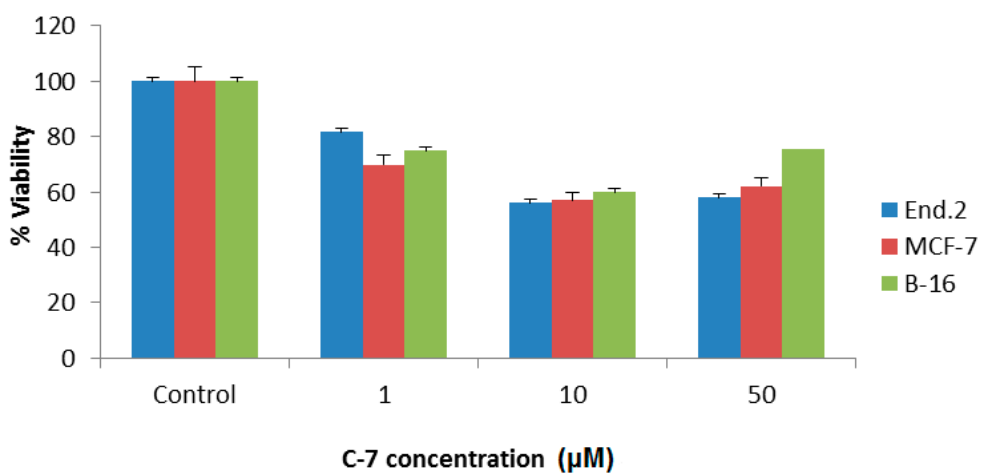
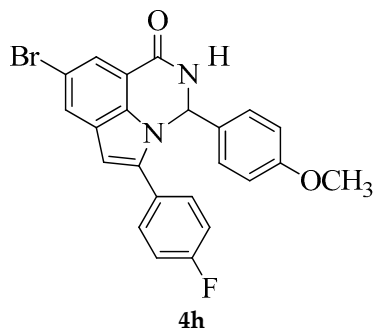


Figure S7. Anticancer effect of compound 4g.



**Compound 8**

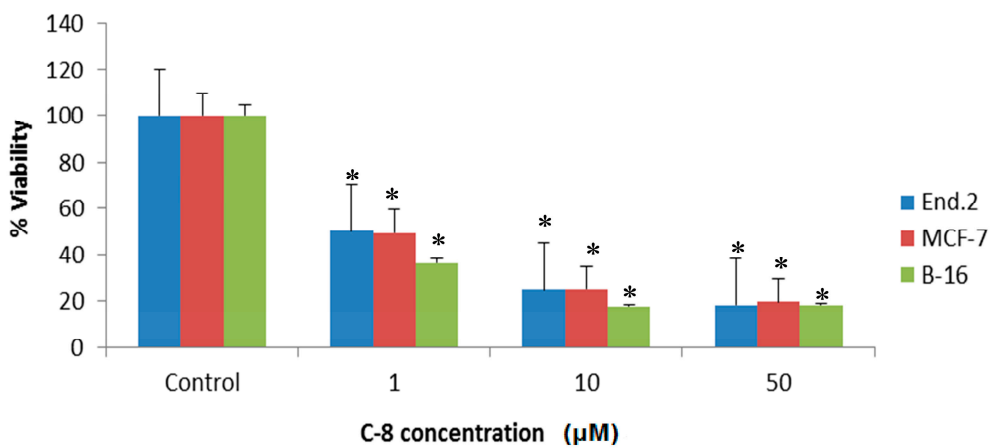
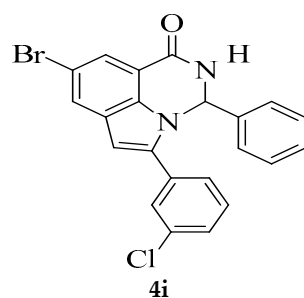
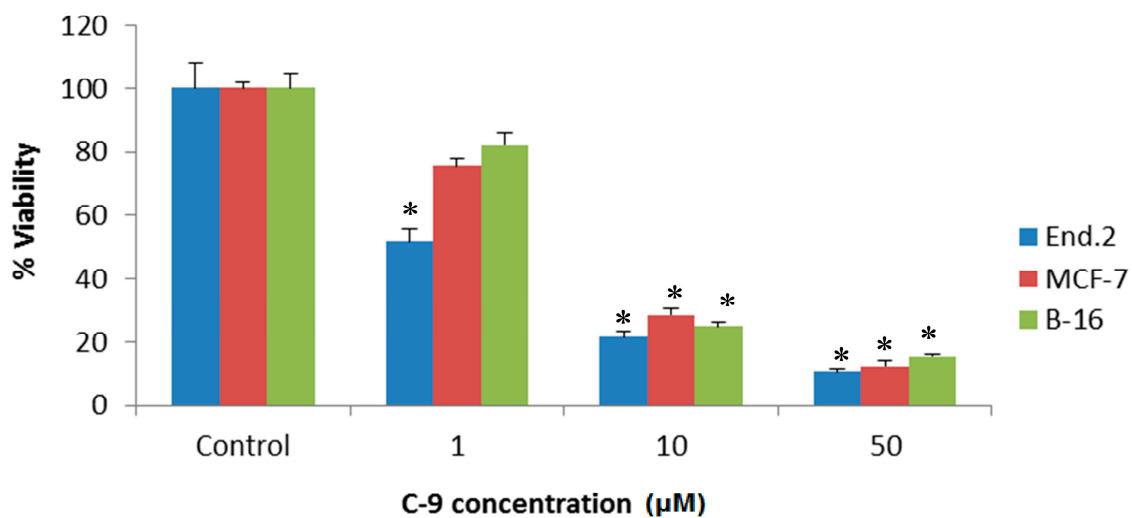


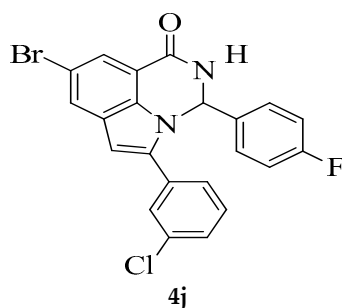
Figure S8. Anticancer effect of compound 4h. \* Significant activity at the indicated concentrations.



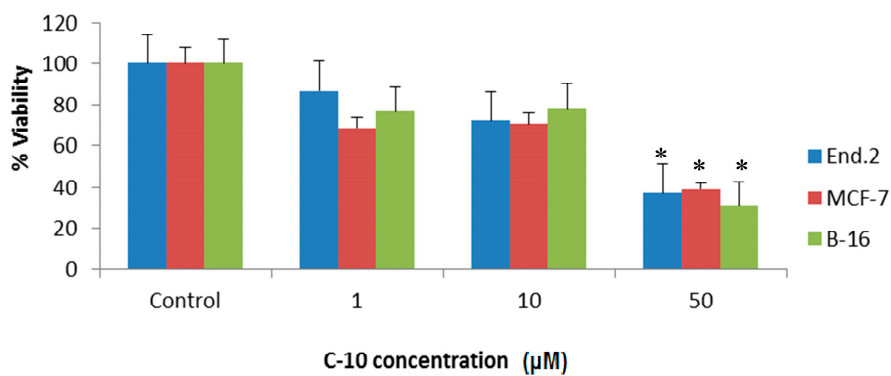
**Compound 9**



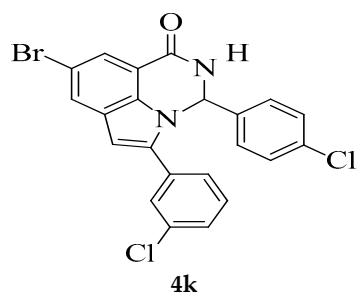
**Figure S9.** Anticancer effect of compound 4i. \* Significant activity at the indicated concentrations.



**Compound 10**



**Figure S10.** Anticancer effect of compound 4j. \* Significant activity at the indicated concentration.



## Compound 11

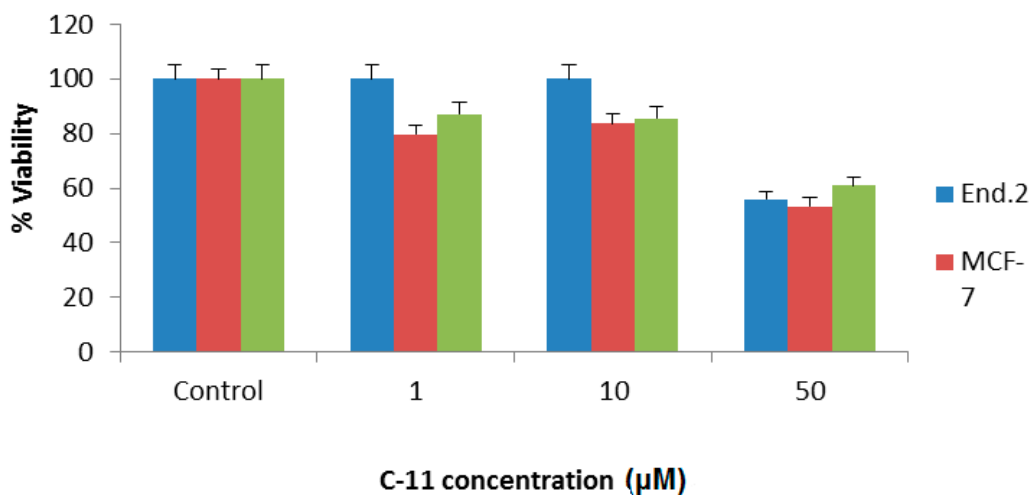


Figure S11. Anticancer effect of compound 4k.

Table S1. IC<sub>50</sub> values the concentration of compound that reduced cell viability by half.

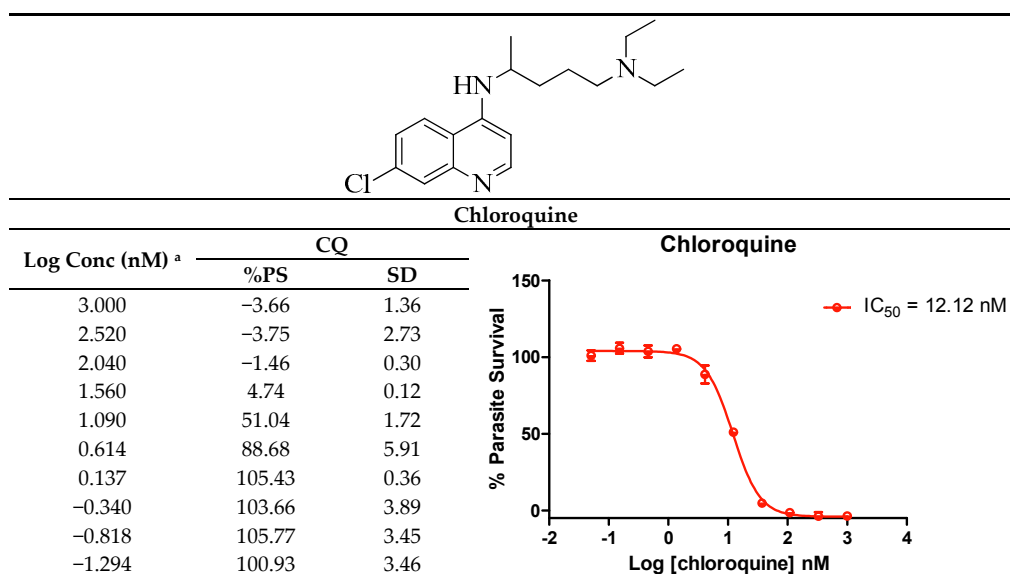
Compound	Cell Line	IC <sub>50</sub> Value
4a	MCF-7	-
	B16	-
	sEnd.2	27.6424
4b	MCF-7	-
	B16	-
	sEnd.2	-
4c	MCF-7	-
	B16	-
	sEnd.2	-
4d	MCF-7	37.0972
	B16	-
	sEnd.2	39.7852
4e	MCF-7	-
	B16	39.6101071
	sEnd.2	32.26803272
4f	MCF-7	-
	B16	-
	sEnd.2	-
4g	MCF-7	-
	B16	-
	sEnd.2	-
4h	MCF-7	0.8352
	B16	0.6602
	sEnd.2	0.951
4i	MCF-7	9.3632

	B16	11.3524
	sEnd.2	0.8021
4j	MCF-7	32.1029
	B16	34.6036
	sEnd.2	36.2328
	MCF-7	-
4k	B16	-
	sEnd.2	-
	MCF-7	-

No IC<sub>50</sub> value, the compound did not induce 50% inhibition of cell growth at the doses tested.

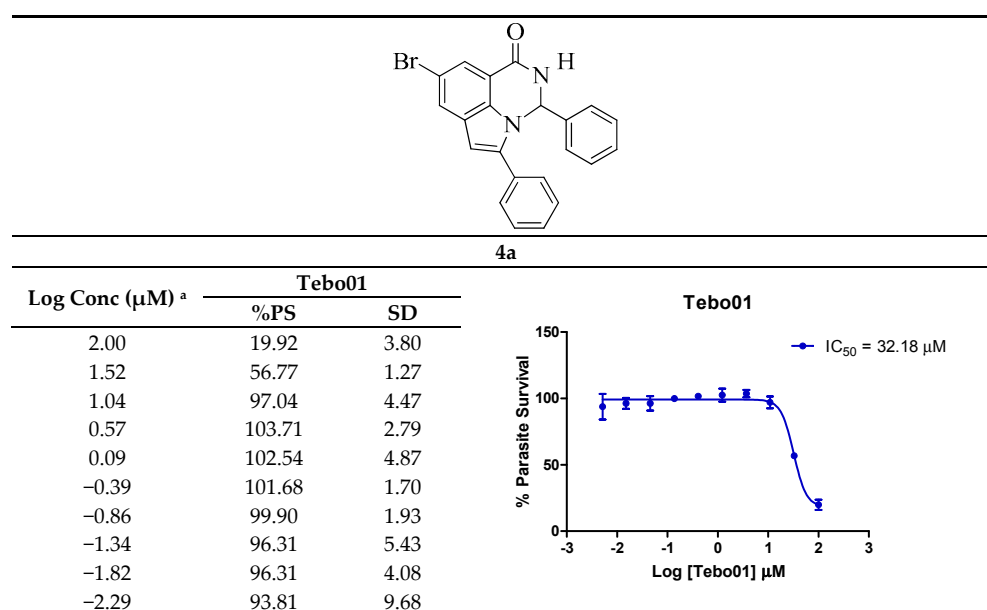
### Supplementary 2: % cell viability and LC<sub>50</sub> values of chloroquine and compounds 4a-l

**Table S2.** Log solvent percentage vs. % Parasite survival data used to plot dose-response curves for chloroquine.

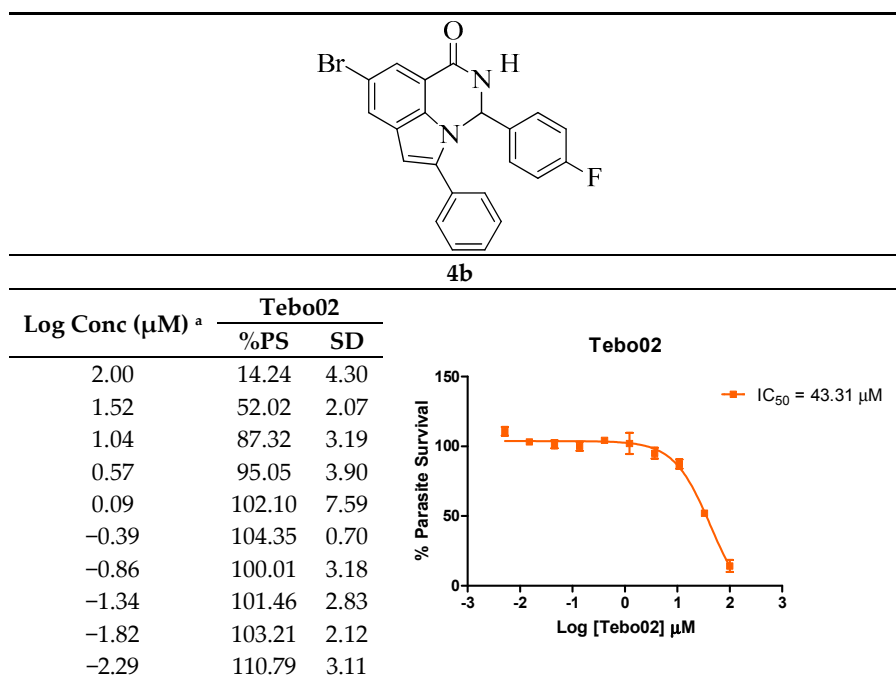


<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

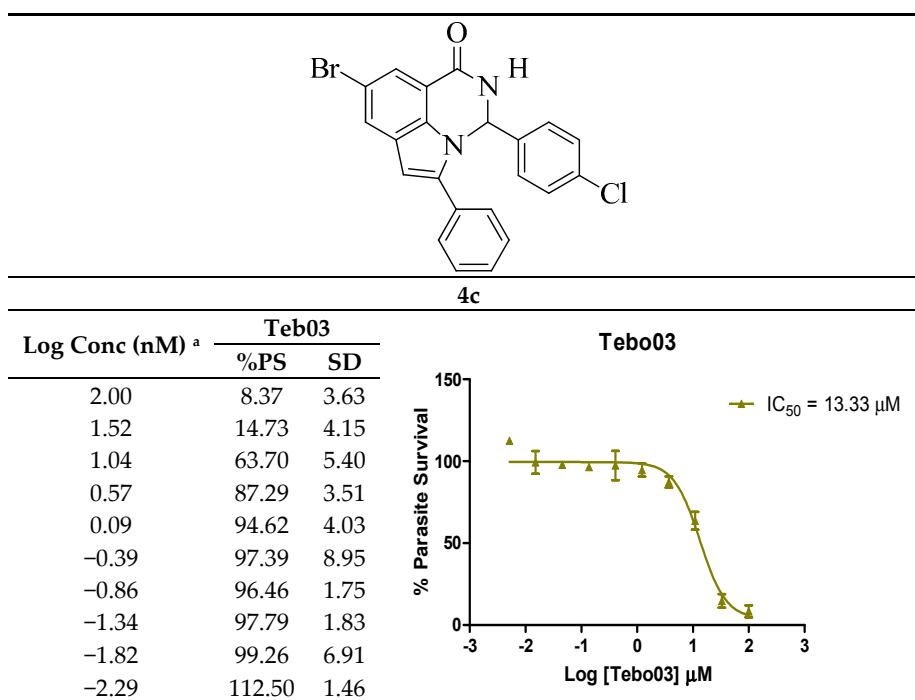
**Table S3.** Log concentration vs. % Parasite survival data used to plot dose-response curve for 4a.



<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

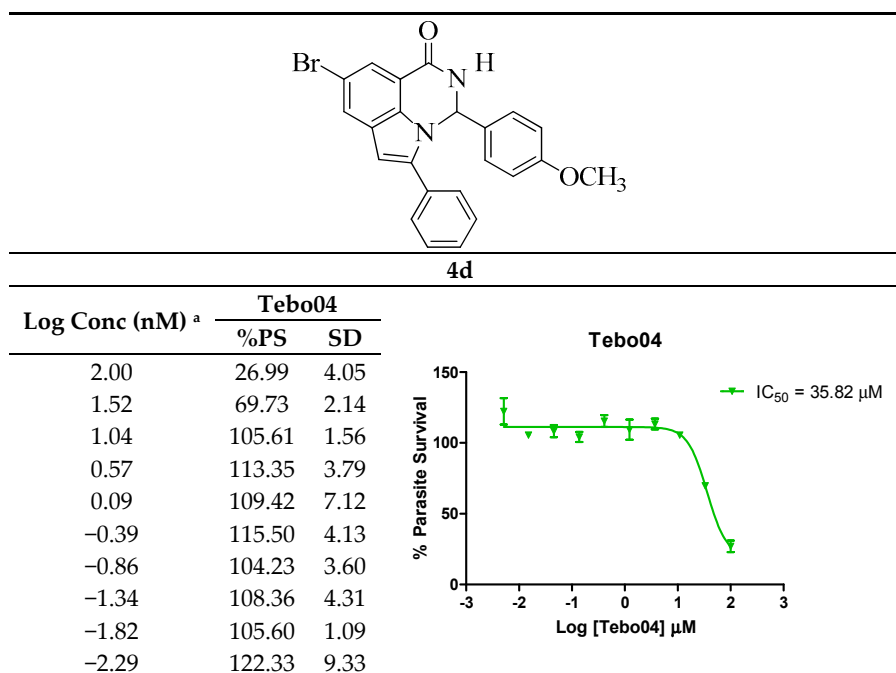
**Table S4.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4b**.

<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

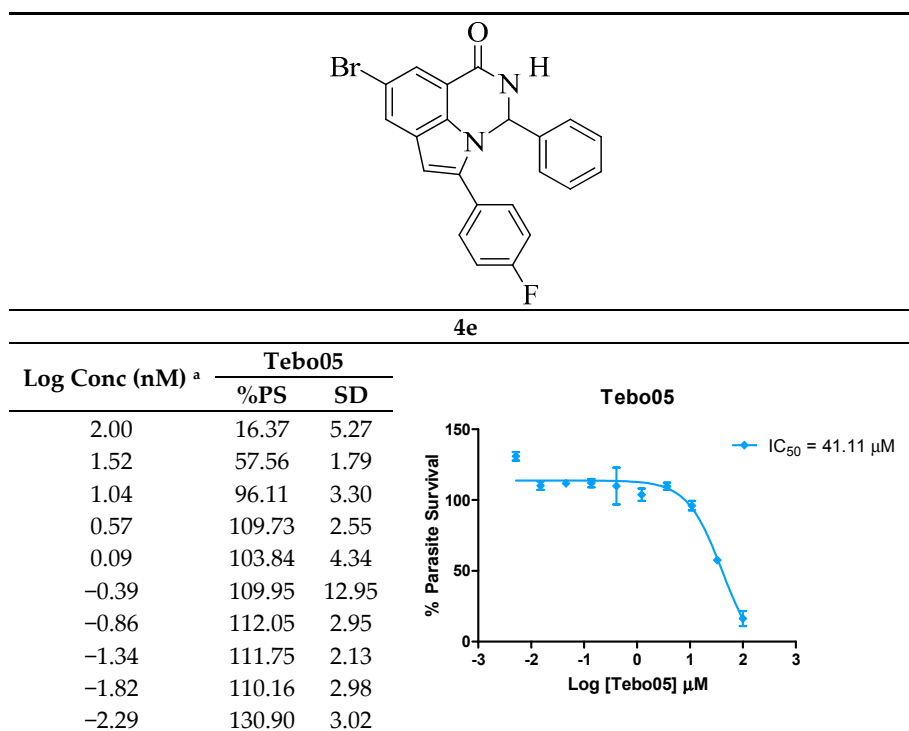
**Table S5.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4c**.

<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

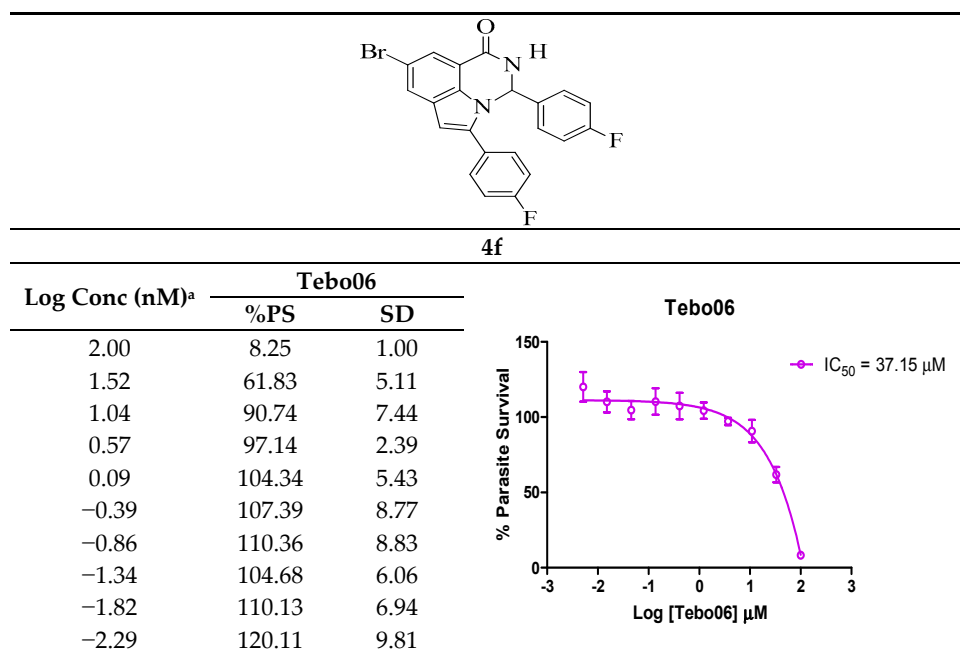


**Table S6.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4d**.

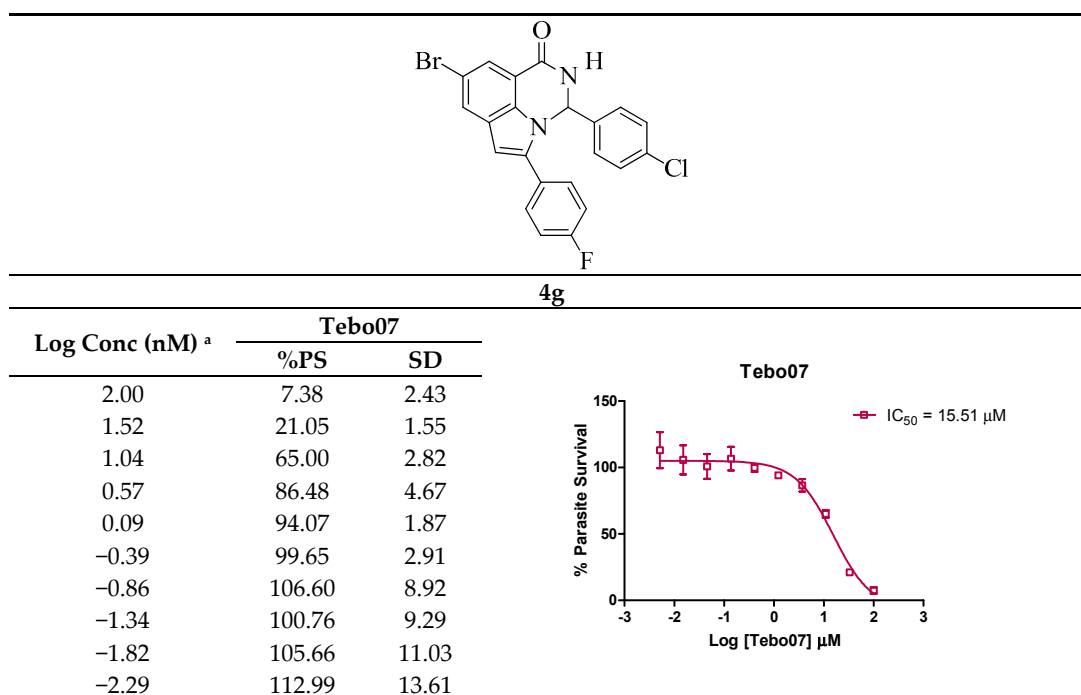
<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S7.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4e**.

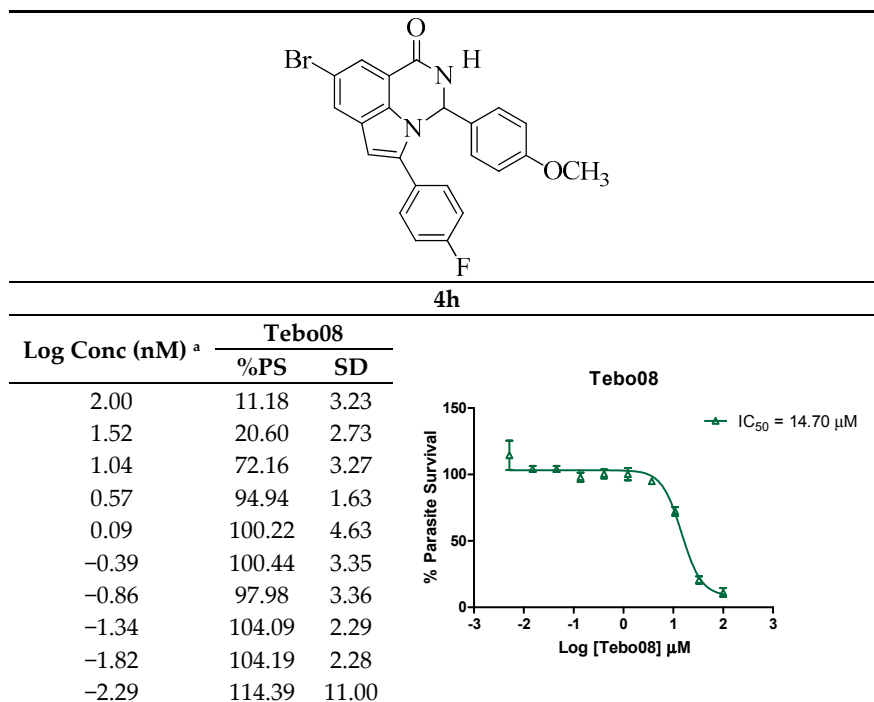
<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S8.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4f**.

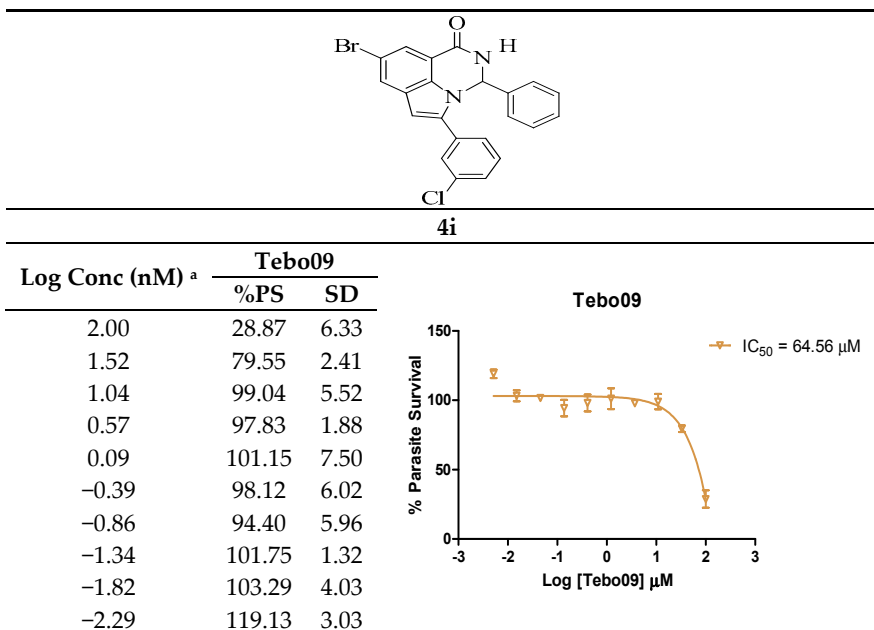
<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S9.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4g**.

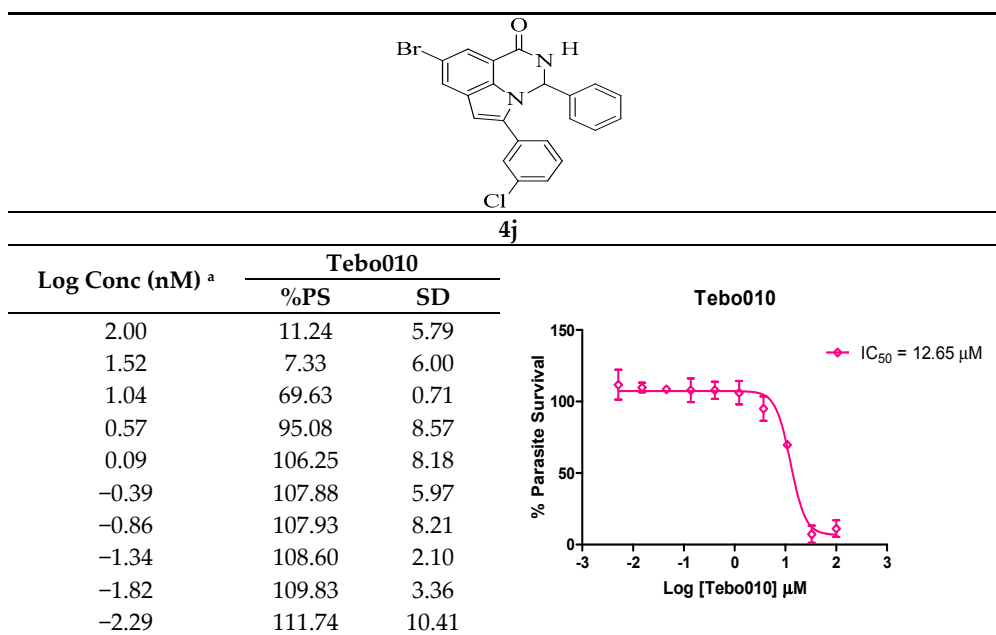
<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S10.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4h**.

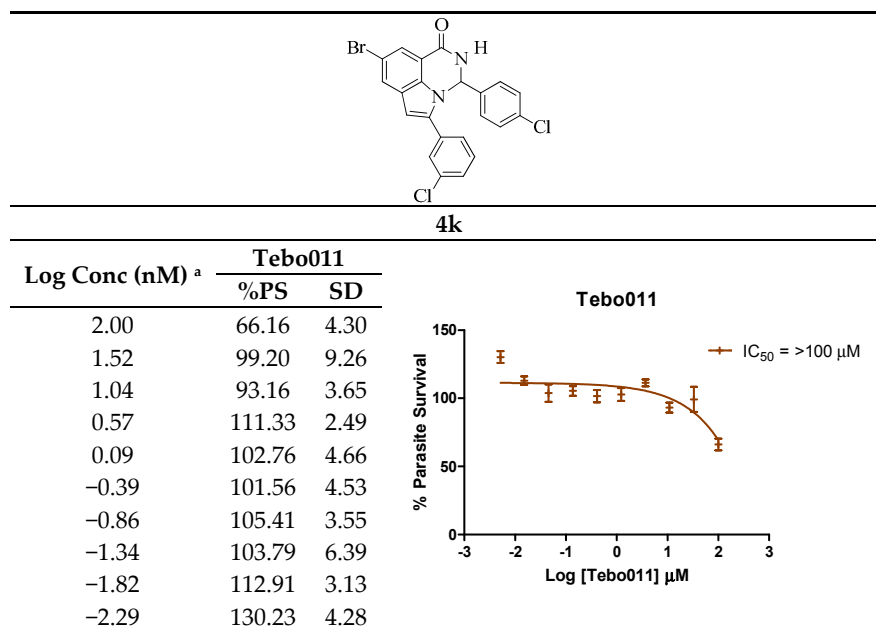
<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S11.** Log concentration vs. % Parasite survival data used to plot dose-response curves for **4i**.

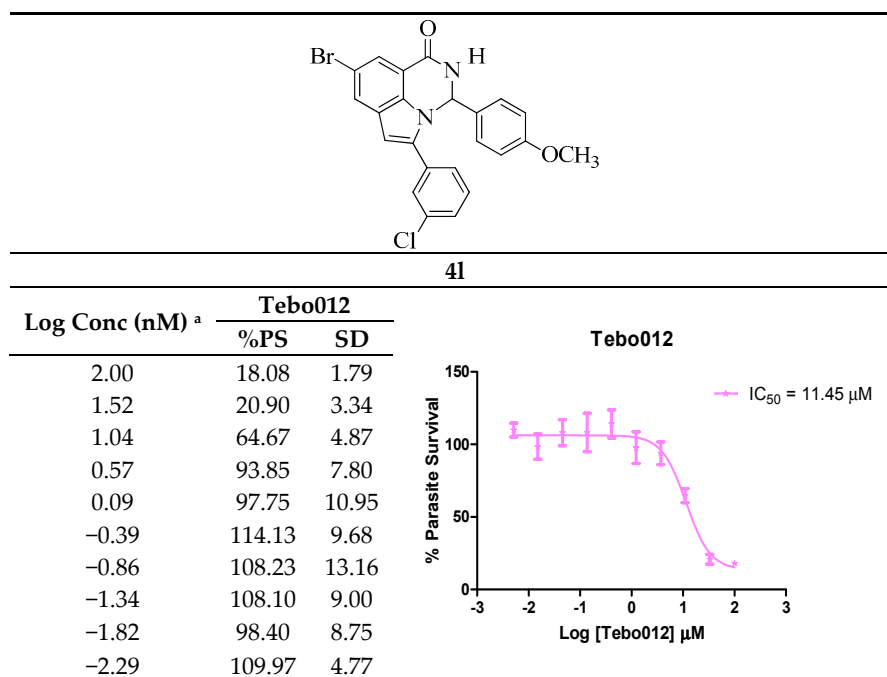
<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S12.** Log concentration vs. % Parasite survival data used to plot dose-response curves.

<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S12.** Log concentration vs. % Parasite survival data used to plot dose-response curves.

<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.

**Table S13.** Log concentration vs. % Parasite survival data used to plot dose-response curves.

<sup>a</sup> Data are expressed as means of triplicate values. SD = standard deviation; %PS = Percentage Parasite Survival.