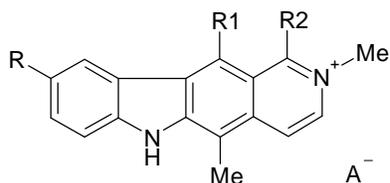


	R	R1	R2
1	H	Me	H
2	OMe	Me	H
3	OH	Me	H
4	Me	Me	H
5	Cl	Me	H
6	H	H	Me



	R	R1	R2
7	H	Me	H
8	OMe	Me	H
9	OH	Me	H
10	Me	Me	H
11	Cl	Me	H
12	H	H	Me

**Table 3. Summary of Analysis of Brain-Tumor Subpanel Selectivity of Cytotoxic Ellipticines and Ellipticiniums\***

Compound number <sup>a</sup>	TGI concentration (μM)		Ratio A/B	COMPARE correlation coefficient <sup>b</sup>	Selectivity rating <sup>c</sup>
	Full panel [A]	Brain tumor Subpanel [B]			
1	3	2.9	1.0	<0.5	-
2	3.2	3.6	0.9	<0.5	-
3	2.8	3.4	0.8	<0.5	-
4	2.7	3.1	0.9	<0.5	-
5	17	16	1.1	<0.5	-
6	3.6	3.7	1.0	<0.5	-
7	12	1.4	8.9	0.96	**
8	11	1.1	9.8	1.00	**
9	78	58	1.3	<0.5	-
10	21	6.9	3.0	0.83	*
11	22	4.7	4.8	0.85	*
12	32	8.9	3.5	0.80	*

\*Data are from Acton et al. [1994].

<sup>a</sup>See Figure 8.

<sup>b</sup>The TGI-based COMPARE analyses were performed using the TGI mean-graph profile of compound 8 as a benchmark or "seed" against a TGI mean-graph database derived from the screening of compounds 1-12; each mean-graph used in the analyses was the calculated average from at least quadruplicate tests of each compound in the full screen; standard errors averaged less than 10% of the respective means.

<sup>c</sup>Compounds were rated as selective (\*\*) if A/Bm6 and TGI-Corr m0.8; compounds were rated as moderately selective (\*) if 3 [ A/B ] 6 and TGI-Corr m 0.8; compounds meeting neither of these criteria were rated as nonselective (-).

**Figure 8.** Structures of some ellipticines and corresponding quaternized ellipticiniums comparatively tested in the NCI in vitro screen. For the study reported in Table 3, all of the ellipticiniums were tested as their acetate salts, except for compounds 7 and 8, which were tested as their iodide salts. The mean-graphs and data of Figure 9 are from the testing of compound 8 as the acetate salt.