Table-II Anticonvulsant activity of compounds (1-32)

Comp.	R	R'	Dose (mg/kg i.p.)	Anticonvulsant activity (SMES)		ALD50 (Mg/kg i.p.)
				No. of animals exhibiting convulsions	% seizure protection	
	P.G.[a]		2 ml	10	0	
	Phenytoinsodium[b]		30	2	80***	
1.						
2.						
3.	-4-OH	-	30	9	10	> 1000
4.	-2-Cl	-	30	8	20	>1000
–5	-4-OH	-	30	8	20	>1000
6	-2-Cl	-	30	8	20	>1000
7	- 4-OH	-	30	8	20	>1000
8	-2-Cl	-	30	7	30	>1000
9	- 4-OH	-	30	7	30	>1000
10.	-2-Cl	-	30	6	40**	> 1000
11.	-4-OH	-	30	6	40**	> 1000
12.	-2-Cl	-	30	5	50**	> 1000
13.	-4-OH	-H	30	5	50**	> 1000
14.	-4-OH	-4-OH	30	4	60**	> 1000
15.	-4-OH	-4-OCH_3	30	3	70**	> 1000
16.	-4-OH	3-OCH_3, - 4-OH	30	3	70**	> 1000 > 1000
17.	-4-OH	-4N $(CH_3)_2$	30	4	60**	> 1000
18.	-2-Cl	-H	30	4	60**	> 1000
19	-2-Cl	-4-OH	30	3	70**	> 1000
20	-2-Cl	-4-OCH_3	30	3	70**	> 1000
21	-2-Cl	3-OCH_3, - 4-OH	7.5	9	10	> 1000
			15	6	40**	
			30	2	80***	
22	2-Cl	-4N $(CH_3)_2$	30	3	70**	> 1000
23	-4-OH	-H	30	4	60**	> 1000
24	-4-OH	- 4-OH	30	2	80***	> 1000
25	-4-OH	-4-OCH_3	30	3	70**	> 1000
26	-4-OH	3-OCH_3, 4-OH	30	2	80***	> 1000
27	-4-OH	-4N $(CH_3)_2$	30	3	70**	> 1000
28	-2-Cl	-H	30	3	70**	> 1000
29	-2-Cl	-4-OH	30	2	80***	> 1000
30	-2-Cl	-4-OCH_3	30	3	70**	> 1000
31	-2-Cl	3-OCH_3, 4-OH	7.5	8	20	> 2000
			15	5	50**	
			30	1	90***	
32	-2-Cl	-4N$(CH_3)_2$	30	2	80***	> 1000

* P < 0.05 ** P< 0.01 *** P < 0.001

a. P.G.- Propylene glycol standard for control

b. Phenytoin sodium = reference standard for anticonvulsant activity.

c. Supramaximal electroshock seizure pattern test