

(a)

RETINOIDS	-1797 p27 (p27-Kpn1) LUCIFERASE ACTIVITY		MNU-INDUCED RAT MAMMARY CANCER
	MEAN (%)	SEM (%)	INHIBITION (%)
Vehicle	100.0	3.6	None
4meUAB30	187.8	7.3	75 – 85% (highly active)
9- <i>cis</i> -RA	164.5	11.0	45% (intermediate activity)
RA-IV-68A	163.6	10.7	n.d.
13- <i>cis</i> -RA	145.1	6.1	n.d.
UAB30	131.8	5.3	60% (intermediate activity)
<i>all-trans</i> -RA	126.5	8.8	n.d.
UAB112	121.4	2.8	1% (almost no activity)
UAB76	109.6	7.0	n.d.
UAB20	108.3	1.7	25 - 30% (limited activity)

(b)Class I UAB Reginoids

REXINOID	n	R ₄
UAB30	1	hydrogen
4-methyl-UAB30	1	methyl

Class II UAB Reginoids

REXINOID	R ₁	R ₂
UAB20	phenyl	iso-propyl
UAB76	ethyl	iso-butyl
UAB112	phenyl	iso-butyl
RA-IV-68A	iso-propyl	iso-butyl

(c)

-1797 p27 (p27-Kpn1) Luciferase Activity
(Average % Stimulation by Retinoids)

