Synthesis of *S*-(28a-homobetulin-28a-yl) thiophosphate, thiophosphonate, and thiophosphinate

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Supplemental Materials

Table S 1. IC₅₀ (μM) values obtained from Calcein AM assays with the tested cancer and normal cell lines; means ±SD obtained from three independent experiments performed in triplicate. Betulinic acid (**11**) was used as a positive control.

Comp. No.		IC ₅₀ [μM]			
		CEM	MCF7	HeLa	BJ
2	–OSO ₂ CH ₃	16.8±0.6	41.4±1.7	25.1±1.7	>50
3	–SCN	13.7±4.9	7.8±1.7	4.7±0.3	18.0±0.8
4	–SP(O)(OC ₂ H ₅) ₂	>50	>50	>50	>50
9	–SP(O)(C ₆ H ₅) ₂	>50	>50	>50	>50
10	–SP(O)(C ₆ H ₅)(OC ₂ H ₅)	>50	>50	>50	>50
11	–	40.0±2.8	>50	47.6±1.9	>50