

The bromophenol content of *Polysiphonia lanosa*, determined by GLC-MS, was shown to vary considerably between late spring and early autumn. The lowest content was found in material collected in early May and then the levels rose until a peak was reached in July. When the extracts were tested for cytotoxicity against DLD-1 cells, a direct correlation was shown between cytotoxicity and bromophenol abundance, confirming that these compounds are the ones responsible for the cytotoxicity of the species.