

Description of the leaching experiments

Leaching experiments were conducted by submerging samples into deuterated solvents and placing them on a shaking board for a period of 24 hours. The solvents used were either deuterated chloroform (CDCl_3) or deuterium oxide (D_2O). The leaching solutions were analyzed by $^1\text{H-NMR}$ recorded on a Bruker Avance AM 400 NMR instrument using a spectral window of 20 ppm, an acquisition time of 4 seconds, and a relaxation delay of 1 second. Starting compounds analyzed in CDCl_3 were used as references.

Figure 8: *Leaching of OSTE-Thiol (90). $^1\text{H-NMR}$ of A) Triallyl in CDCl_3 , B) Tetrathiol in CDCl_3 , C) OSTE-Thiol (90) leached in CDCl_3 , and D) OSTE-Thiol (90) leached in D_2O . As can be seen both constituents were leached in CDCl_3 while none were leached in D_2O .*

Figure 9: *Leaching of OSTE-Allyl (30). $^1\text{H-NMR}$ of A) Triallyl in CDCl_3 , B) Trithiol in CDCl_3 , C) OSTE-Allyl (30) leached in CDCl_3 , and D) OSTE-Allyl (30) leached in D_2O . The triallyl was found to leach in CDCl_3 while none of the constituents were leached in D_2O .*