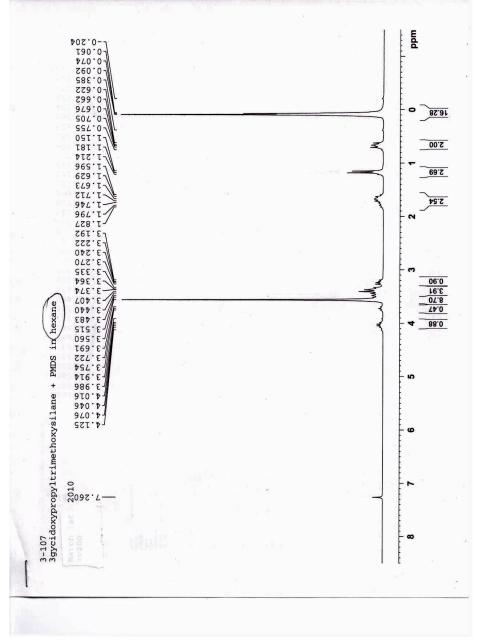
Rapid Assembly of Explicit, Functional Silicones

John B. Grande,^{*a*} Ferdinand Gonzaga,^{*a*} and Michael A. Brook*^{*a,b*}

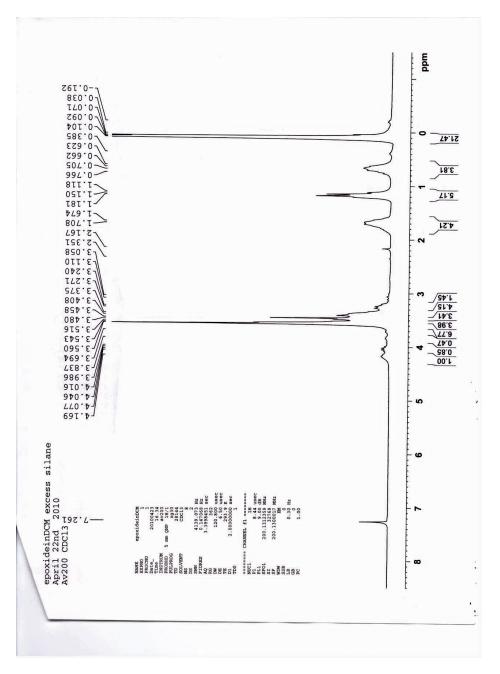
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Reaction of pentamethyldisiloxane with (3-glycidoxypropyl)-trimethoxysilane:

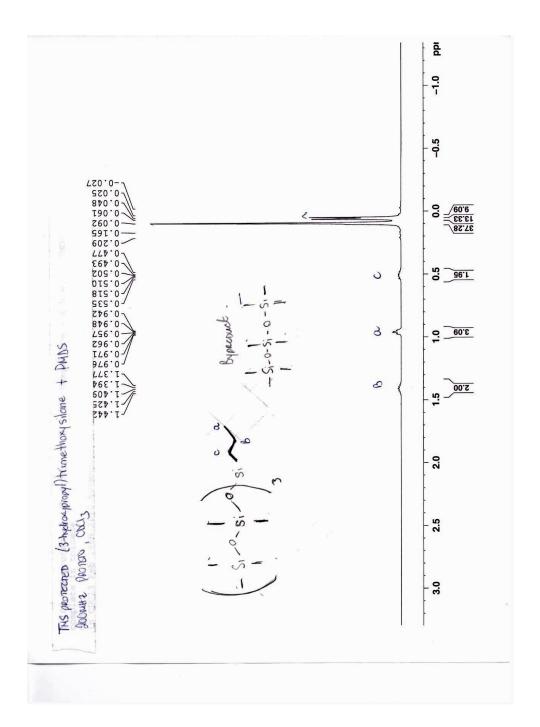
NMR of reaction completed in hexane :



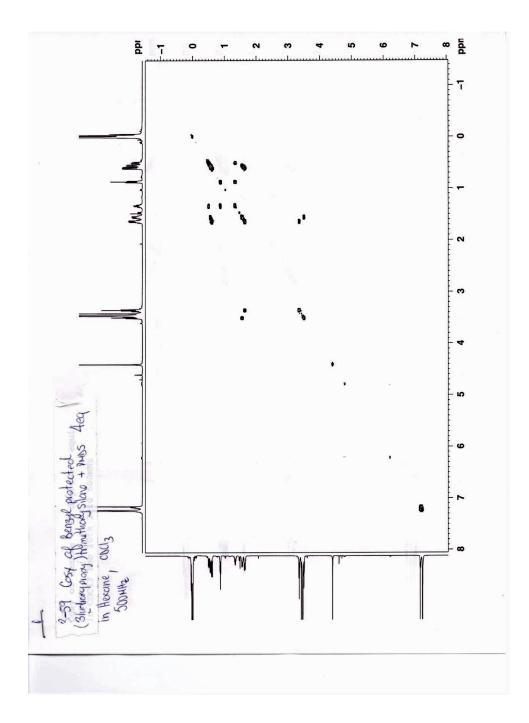




Reaction of Trimethylsilyl protected (3-hydroxypropyl)trimethoxysilane with pentamethyldisiloxane (excess hydrosilane 6 equiv):



Reaction of Benzyl protected (3-hydroxypropyl)trimethoxysilane with pentamethyldisiloxane (COSY):



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