

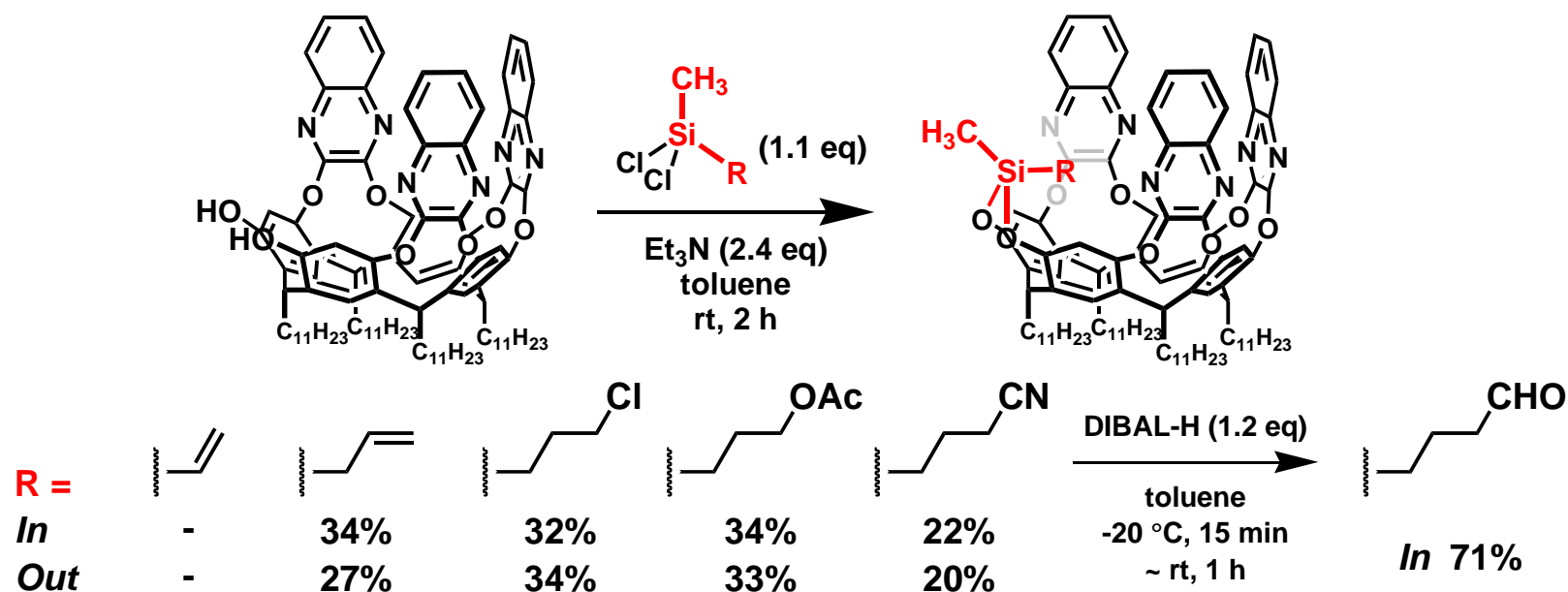
# Self-folded silyl cavitands with in- and outwardly directed allyl groups

Kouhei Ito, Tetsuo Iwasawa\*

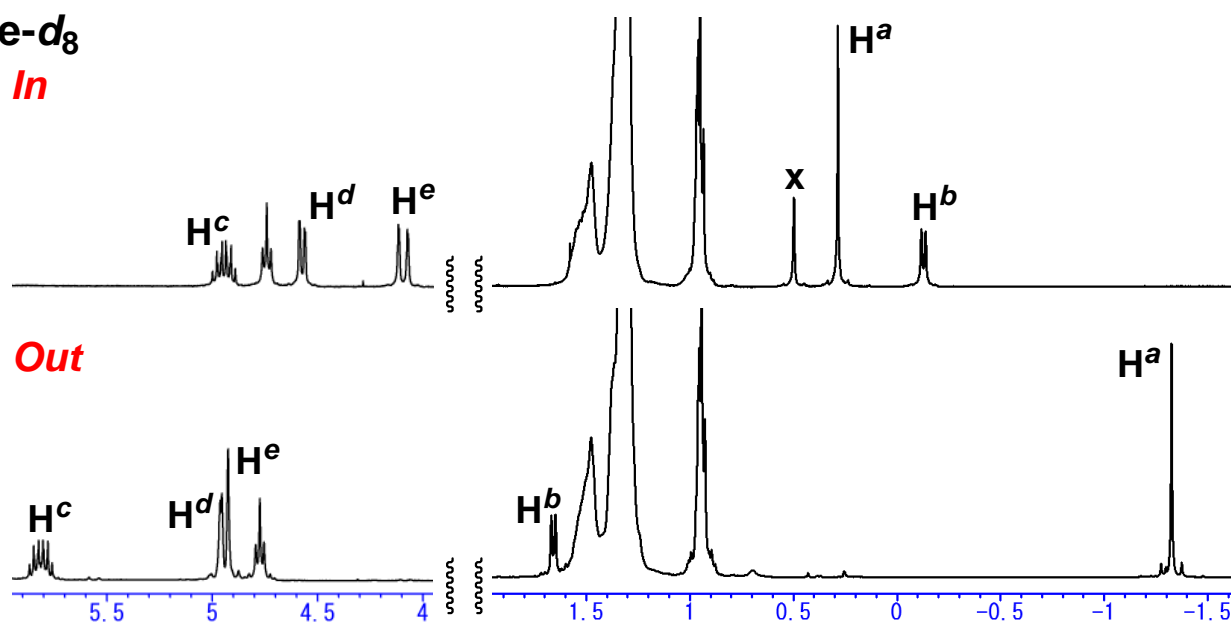
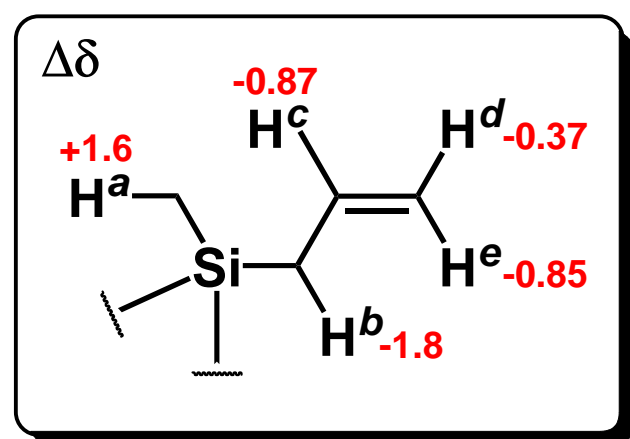
Department of Materials Chemistry, Ryukoku University, Seta, Otsu, Shiga 520-2194, Japan  
E-mail: [iwasawa@rins.ryukoku.ac.jp](mailto:iwasawa@rins.ryukoku.ac.jp), <http://www.chem.ryukoku.ac.jp/iwasawa/index.html>



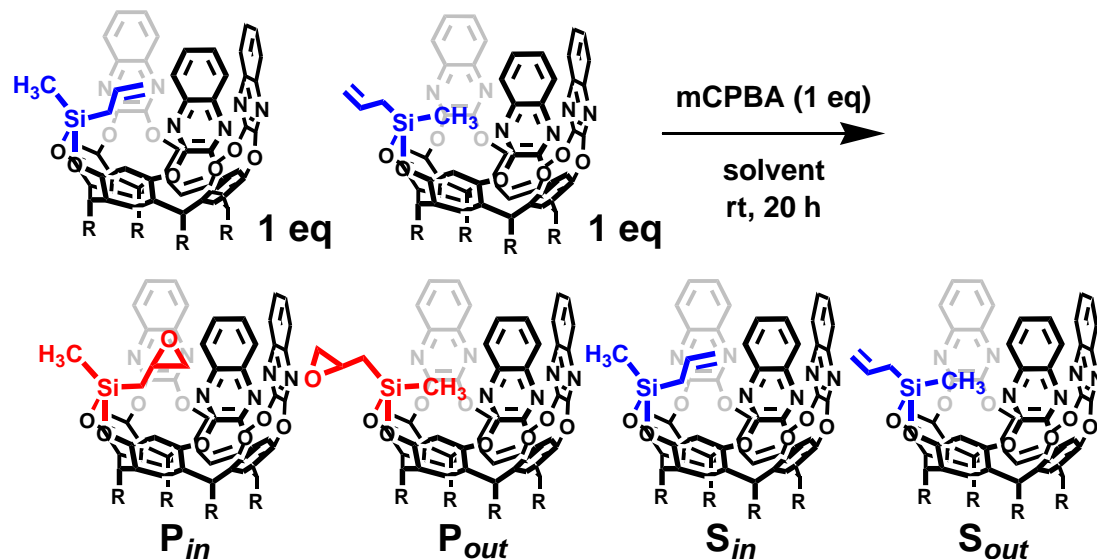
## 1. Summary Ohashi, K.; Ito, K.; Iwasawa, T. *Eur. J. Org. Chem.* 2014, 1597-1601.



## 2. Mid- and upfield portions in toluene-*d*<sub>8</sub>

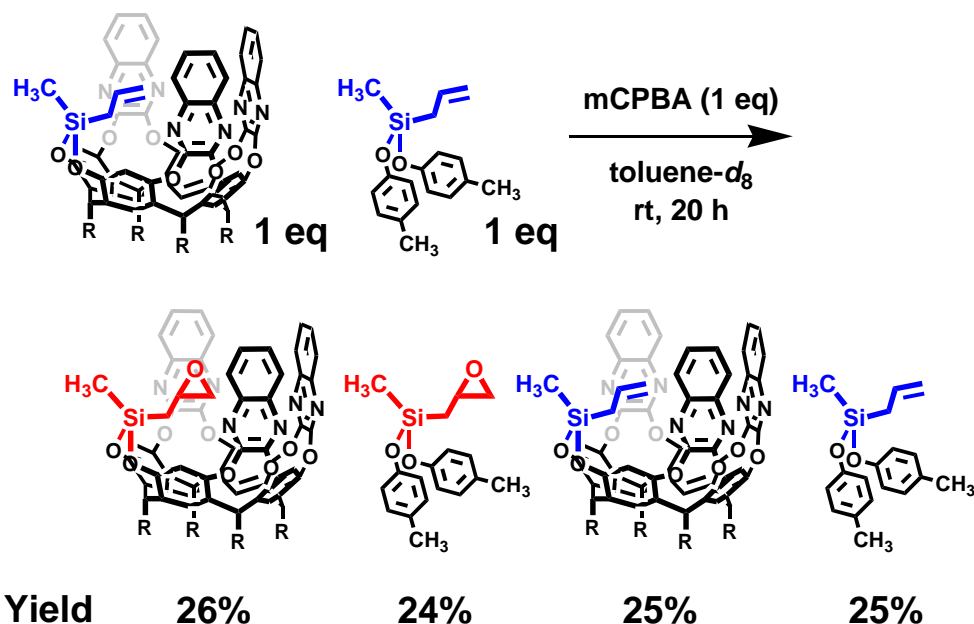


## 3. Competitive epoxidation



Solvent	Yield (%)			
	<i>P<sub>in</sub></i>	<i>P<sub>out</sub></i>	<i>S<sub>in</sub></i>	<i>S<sub>out</sub></i>
benzene- <i>d</i> <sub>6</sub>	27	17	24	32
toluene- <i>d</i> <sub>8</sub>	32	23	19	26
<i>p</i> -xylene- <i>d</i> <sub>10</sub>	31	18	19	32
mesitylene- <i>d</i> <sub>12</sub>	~ 0	~ 0	~ 50	~ 50

## 4. Inside-allyl versus small-allyl



## 5. Mesitylene is not fit for the cavity.

