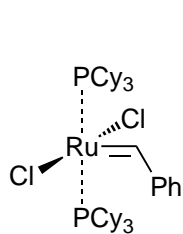
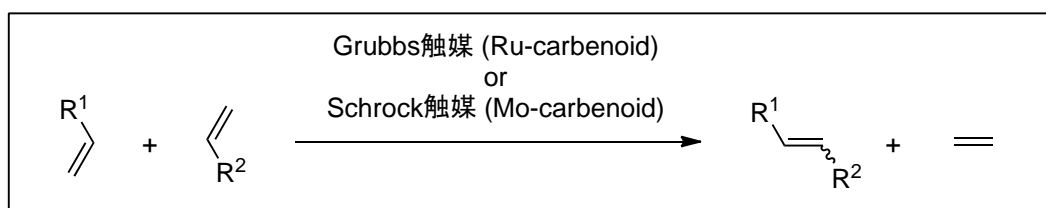
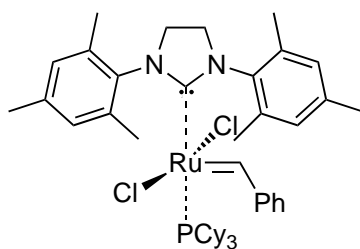


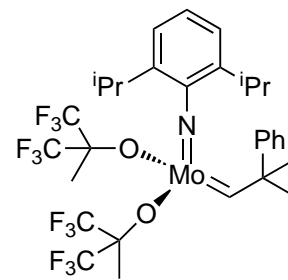
## 7. オレフィンメタセシス



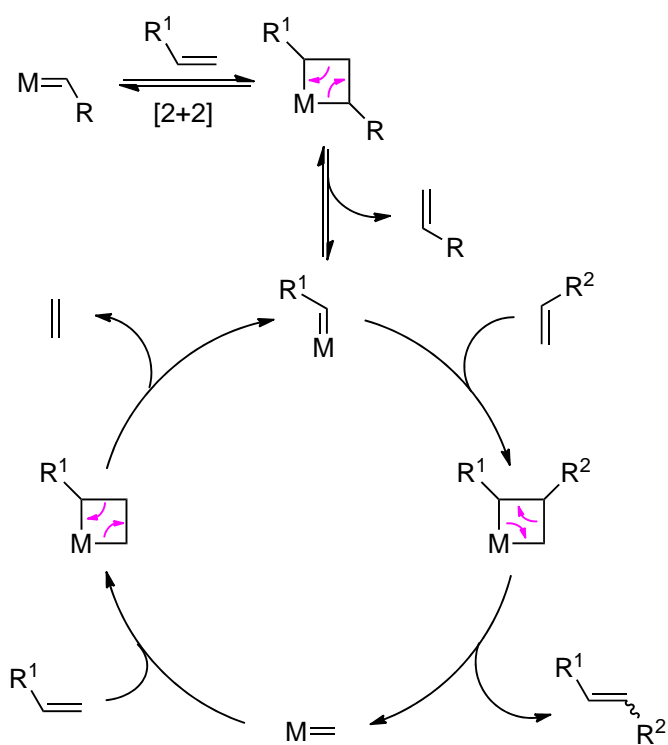
Grubbs触媒  
(第1世代)



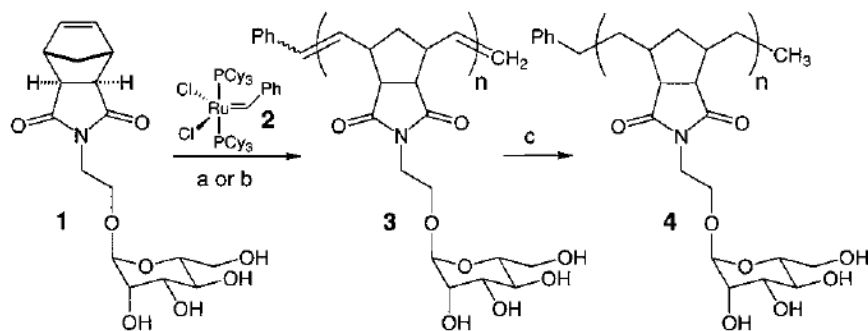
Grubbs触媒  
(第2世代)



Schrock触媒



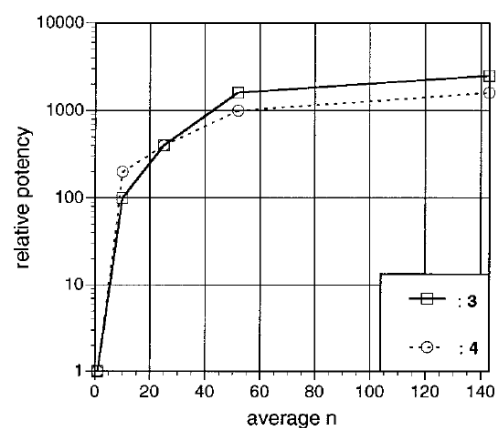
### 7-1. Ring Opening Metathesis Polymerization (ROMP)



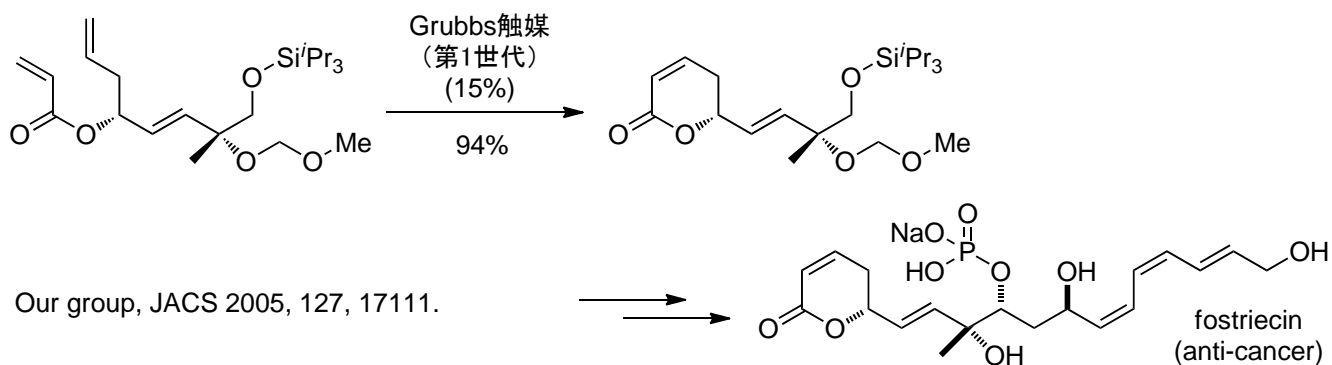
Kiessling, L. L. *JACS* **1997**, *119*, 9931.

**Table 1.** Varying the Monomer:Catalyst Ratio Alters the Average Number of Repeat Units (DP) in Neoglycopolymer Series 3

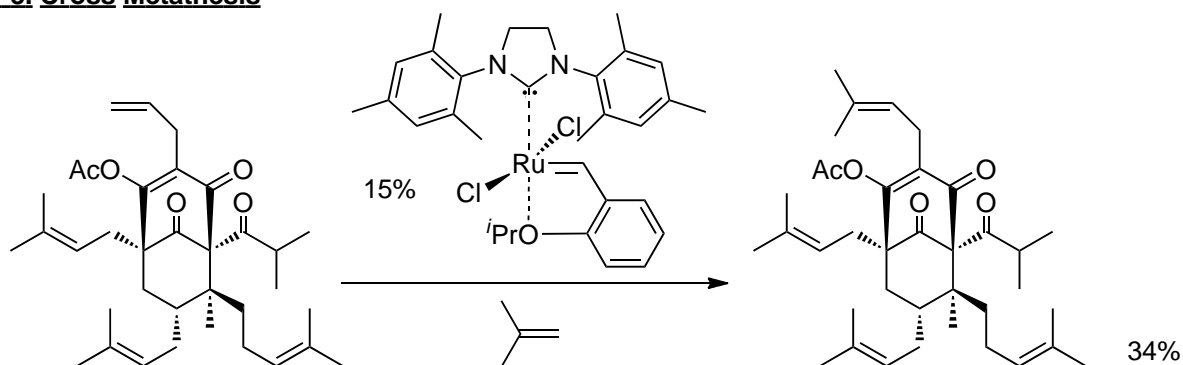
entry	m/c	conditions <sup>a</sup>	av <i>n</i> (DP)	yield/% <sup>b</sup>
1	7/1	a	10	80 (98)
2	25/1	a	25	68 (87)
3	50/1	a	52	68 (91)
4	100/1	b	143	67 (98)



### 7-2. Ring Closing Metathesis (RCM)



### 7-3. Cross Metathesis



Our group, *Angew. Chem. Int. Ed.* **2010**, *49*, 1103.