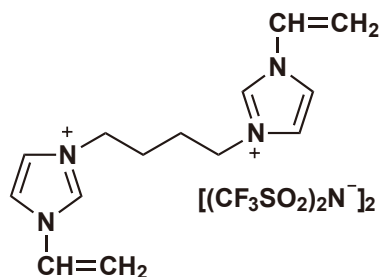
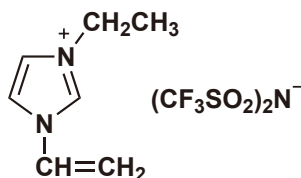


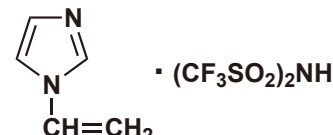
# Monomers for Poly(Ionic Liquid) Synthesis



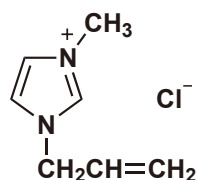
1g  
[B5421]



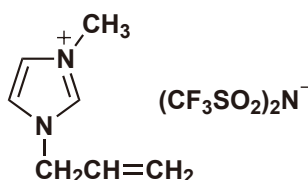
5g  
[E1280]



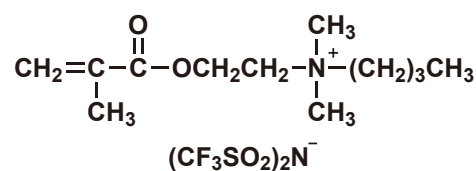
5g  
[V0145]



5g / 25g  
[A2084]



5g / 25g  
[A3210]



1g / 5g  
**New** [M2987]

These chemicals bearing vinyl, allyl, or methacryl groups have been reported useful starting materials in the synthesis of polymers with properties as ionic liquids.

## Applications

### Polymeric electrolytes

- [E1280] H. Ohno, *Electrochim. Acta* **2001**, 46, 1407.
- [V0145] J. Lemus, A. Eguizábal, M. P. Pina, *Int. J. Hydrog. Energy* **2015**, 40, 5416.
- [A2084] A. C. Tibbits, Y. S. Yan, C. J. Kloxin, *Macromol. Rapid Commun.* **2017**, 38, 1700113.
- [A3210] A. F. Bratton, S.-S. Kim, C. J. Ellison, K. M. Miller, *Ind. Eng. Chem. Res.* **2018**, 57, 16526.
- [M2987] H. Zhang, L. Li, W. Feng, Z. Zhou, J. Nie, *Polymer* **2014**, 55, 3339.

### Gas separation membrane

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### Capsule for enzyme immobilization

- [E1280] M. Moniruzzaman, K. Ino, N. Kamiya, M. Goto, *Org. Biomol. Chem.* **2012**, 10, 7707.

### Polymer monolith

- [A2084] J. Wang, L. Bai, Z. Wei, J. Qin, Y. Ma, H. Liu, *J. Sep. Sci.* **2015**, 38, 2101.

### Lipophilic polymer gel

- [M2987] J. Chen, S. Wang, J. Peng, J. Li, M. Zhai, *ACS Appl. Mater. Interfaces* **2014**, 6, 14894.

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