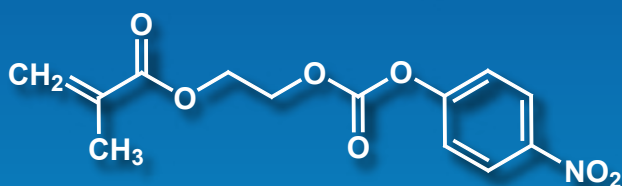


New

MATERIALS



Monomer Containing *p*-Nitrophenylcarbonate Groups for Introducing Functional Moieties into Polymers and Monomers



2-(*p*-Nitrophenoxycarbonyloxy)ethyl Methacrylate

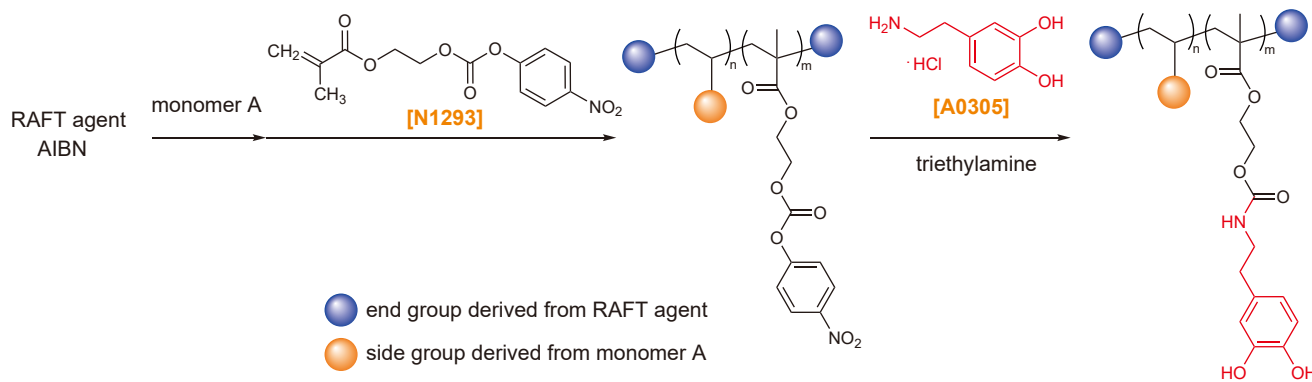
1g / 5g

[N1293]

Advantages

- Methacrylate ester monomer having *p*-nitrophenyl carbonate moiety that reacts with an amino group
- Applicable to polymer synthesis by controlled radical polymerization
- Allows for the introduction of functional moieties into the polymer after polymerization

Application: Synthesis of polymers for the development of therapeutic nanoparticles^{1,2)}



- References
- 1) S. Wang, X. Chen, *et al.*, *Angew. Chem. Int. Ed.* **2019**, *58*, 14758. <https://doi.org/10.1002/anie.201908997>
 - 2) X. Li, Z. Ge, *et al.*, *ACS Nano* **2022**, *16*, 14982. <https://doi.org/10.1021/acsnano.2c06026>
 - 3) M. Gao, Y. Wei, *et al.*, *Macromolecules* **2010**, *43*, 4314. <https://doi.org/10.1021/ma1000783>

Related Products

***N*-Succinimidyl Methacrylate**

***N*-Succinimidyl Acrylate**

Dopamine Hydrochloride

5g / 25g [S0812]

5g / 25g [S0814]

1g / 5g / 25g [A0305]

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