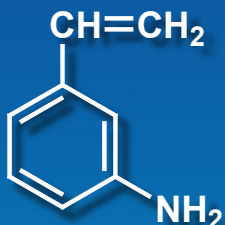
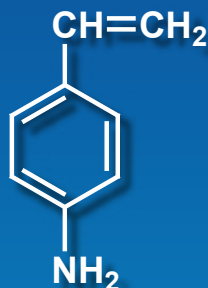


# Aminostyrene Monomers



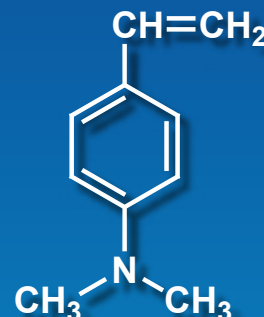
**3-Aminostyrene**

1g  
[A3223]



**4-Aminostyrene**

5g / 25g  
[A1019]



**4-(Dimethylamino)styrene**

1g / 5g  
[E1607] **New**

## Applications

Aminostyrene monomers allow the synthesis of polystyrenes capable of late-stage functionalization. Examples of late-stage functionalization include chelation after polymerization, quaternary ammonium formation, and betaine formation. The resulting polystyrenes have reportedly been applied to palladium-catalytic reaction fields,<sup>1)</sup> polymeric permeable membranes,<sup>2)</sup> polyelectrolytes,<sup>3)</sup> and ion exchange resins.<sup>4)</sup>

- References**
- 1) R. Paterson *et al.*, *Chem. Commun.* **2023**, 59, 13470. <https://doi.org/10.1039/D3CC04987F>
  - 2) W. A. Jonkers *et al.*, *J. Membrane Sci.* **2024**, 698, 122577. <https://doi.org/10.1016/j.memsci.2024.122577>
  - 3) Z. Wang *et al.*, *Langmuir* **2014**, 30, 13483. <https://doi.org/10.1021/la503393j>
  - 4) K. Se, *Prog. Polym. Sci.* **2003**, 28, 583. [https://doi.org/10.1016/S0079-6700\(02\)00082-5](https://doi.org/10.1016/S0079-6700(02)00082-5)

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or

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or

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