

## 2-arm Poly ethylene Glycol (Linear Y-Sharp)

| 製品名                                                    | 構造式                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 略語                                | CAS | 分子量 (Mn) |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|----------|
| 2-arm Methoxy poly(ethylene glycol) carboxylic acid    | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{OH} \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                                                                                                                                                                                                       | 2-arm PEG-COOH(LYS01)             |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) succinimidyl ester | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{O}-\text{N} \begin{array}{c} \diagup \text{O} \diagdown \\ \text{CH}_2 \text{CH}_2 \end{array} \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                                                                                                            | 2-arm PEG-NHS(LYS01)              |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) maleimide          | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{CH}_2\text{CH}_2-\text{N} \begin{array}{c} \diagup \text{O} \diagdown \\ \text{CH}_2 \text{CH}_2 \end{array} \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                               | 2-arm PEG-MAL(LYS01)              |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) amine              | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2\text{CH}_2-\text{NH}_2 \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                                                                                                                                                                    | 2-arm PEG-NH <sub>2</sub> (LYS01) |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) iodoacetamide      | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{CH}_2-\text{I} \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                                                                                                                             | 2-arm PEG-IAA(LYS01)              |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) carboxylic acid    | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{OH} \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                                                                                                                                                         | 2-arm PEG-COOH(LYS02)             |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) succinimidyl ester | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{O}-\text{N} \begin{array}{c} \diagup \text{O} \diagdown \\ \text{CH}_2 \text{CH}_2 \end{array} \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                                                              | 2-arm PEG-NHS(LYS02)              |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) maleimide          | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2\text{CH}_2-\text{NH}-\text{C}(=\text{O})-\text{CH}_2\text{CH}_2-\text{N} \begin{array}{c} \diagup \text{O} \diagdown \\ \text{CH}_2 \text{CH}_2 \end{array} \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$ | 2-arm PEG-MAL(LYS02)              |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |
| 2-arm Methoxy poly(ethylene glycol) amine              | $\begin{array}{c} \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}(\text{CH}_2)_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2\text{CH}_2-\text{NH}_2 \\ \text{CH}_3\text{O}-(\text{CH}_2\text{CH}_2\text{O})_n-\text{CH}_2\text{CH}_2-\text{C}(=\text{O})-\text{NH}-\text{CH}_2 \end{array}$                                                                                                                                      | 2-arm PEG-NH <sub>2</sub> (LYS02) |     | 2,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 5,000    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 10,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 20,000   |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |     | 40,000   |

