



## Product Information

### Comarin agent, Alginate-PEG-comarin, Purity $\geq 95\%$

**Cat. No.:** X25-04-YM1041

**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g

**Synonym:** Comarin-PEG-alginate

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

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| Description   | Alginate-PEG-comarin, or comarin-PEG-alginate, is a conjugate designed for studies, attaching alginate (a biocompatible, gel-forming polysaccharide) to comarin through PEG. Variable PEG (350, 550, 750, 1k, 2k, 3k, 4k, 5k, 10k, or 20k Da) enhances solubility, prolongs retention, and controls release dynamics. |
| Source        | Chemical synthesis                                                                                                                                                                                                                                                                                                    |
| Form          | Solid or powder                                                                                                                                                                                                                                                                                                       |
| Purity        | $\geq 95\%$                                                                                                                                                                                                                                                                                                           |
| Impurities    | No visible impurities to the naked eye.                                                                                                                                                                                                                                                                               |
| Solubility    | This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.                                                                                                                                                                                        |
| Identity      | Confirmed by NMR.                                                                                                                                                                                                                                                                                                     |
| Stability     | It is stable under its storage temperature.                                                                                                                                                                                                                                                                           |
| Quality Level | Research level                                                                                                                                                                                                                                                                                                        |
| Applications  | Alginate-PEG-comarin plays a key role in stabilizing therapeutic proteins through serum albumin conjugation.                                                                                                                                                                                                          |
| Storage       | Store at $-20^{\circ}\text{C}$ , protect from light and moisture.                                                                                                                                                                                                                                                     |