

**oleic acid(17-yne)**

**(Z)-octadec-9-en-17-ynoic acid**

**900412E-1mg**

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|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>Molecular Weight</b>  | 278.430                                        |
| <b>Chemical Formula</b>  | C <sub>18</sub> H <sub>30</sub> O <sub>2</sub> |
| <b>Physical State</b>    | Ethanol                                        |
| <b>Storage</b>           | -20°C                                          |
| <b>Expiration Date</b>   | One year from date of receipt                  |
| <b>M Lot Number</b>      | 6387EGC010                                     |
| <b>Avanti Lot Number</b> | 900412E-1MG-C-010                              |

| ANALYSIS                           | SPECIFICATION                                                                                                                           | RESULTS                        |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical examination               | <b>Ethanol:</b> Clear solution with no foreign matter.                                                                                  | Pass                           |
| TLC<br>(8:2 Hexane: Ethyl acetate) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot | All Pass                       |
| Proton NMR                         | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy                  | [M-H] <sup>-</sup> = 277.430 ± 1 amu                                                                                                    | [M-H] <sup>-</sup> = 277.2 amu |

Approved By:

