

**arachidonic acid-alkyne**

**5Z,8Z,11Z,14Z-eicosatetraen-19-ynoic acid**

**900411E-1MG**

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**Molecular Weight** 300.435  
**Molecular Formula** C<sub>20</sub>H<sub>28</sub>O<sub>2</sub>  
**Physical State** Ethanol  
**Storage** -80°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 6386EGB010  
**Avanti Lot Number** 900411E-1MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Ethanol:</b> Clear solution with no foreign matter.	Pass
TLC (6:4 Hexane: Ethyl Acetate)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	consistent with structure
Mass Spectroscopy	[M-H] <sup>-</sup> = 299.435 ± 1 amu	[M-H] <sup>-</sup> = 299.3 amu

Approved By:

