

PGF2 $\alpha$ Prostaglandin F2 $\alpha$ 

900121O-1mg

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**Molecular Weight** 354.49  
**Chemical Formula** C<sub>20</sub>H<sub>34</sub>O<sub>5</sub>  
**Physical State** Neat Oil  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6713OGB010  
**Avanti Lot Number** 900121O-1MG-B-010

| ANALYSIS                            | SPECIFICATION                                                                                                                                 | RESULTS                        |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical Examination                | Neat Oil: Clear, colorless neat oil which contains no foreign matter                                                                          | Pass                           |
| TLC<br>(85:15 Chloroform: Methanol) | >99% Purity<br>Ninhydrin spray: 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> = 353.49 $\pm$ 1 amu                                                                                                       | [M-H] <sup>-</sup> = 353.2 amu |

Approved By:



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