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**Product Data Sheet**

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Product Name: 15(S)-15-methyl Prostaglandin F2 $\alpha$  methyl ester

Cat. No.: GC18372

**Chemical Properties**

Cas. No. 35700-21-1

Chemical Name 9 $\alpha$ ,11 $\alpha$ ,15S-trihydroxy-15-methyl-prosta-5Z,13E-dien-1-oic acid, methyl esterSMILES O[C@@H]1[C@H](C/C=C\CCCC(OC)=O)[C@@H](/C=C/[C@@](C)(O)CCCC)[C@H](O)C1Formula C<sub>22</sub>H<sub>38</sub>O<sub>5</sub> M.Wt 382.5Solubility DMF: >50 mg/ml (from PGE2 methyl es,DMSO: >50 mg/ml Store  
(from PGE2 methyl es,Ethanol: >50 mg/ml (from PGE2 methyl Storage at -  
es,PBS pH 7.2: >5 mg/ml (from PGE2 methyl est 20°CGeneral tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it  
in the ultrasonic bath for a while.Stock solution can be stored below -20°C for  
several months.Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship  
with RT , or blue ice upon request.Structure **Background**

15(S)-15-methyl PGF<sub>2</sub> $\alpha$  methyl ester is a derivative of 15(S)-15-methyl PGF<sub>2</sub> $\alpha$  with increased membrane permeability. Hydrolysis of the methyl ester in vivo releases the biologically active 15(S)-15-methyl PGF<sub>2</sub> $\alpha$ , which is a potent uterine stimulant and abortifacient.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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