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**Product Data Sheet**


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Product Name: 16,16-dimethyl Prostaglandin F2 $\beta$ 

Cat. No.: GC18803

**Chemical Properties**

Cas. No. 59769-89-0

Chemical Name 9 $\beta$ ,11 $\alpha$ ,15R-trihydroxy-16,16-dimethyl-prosta-5Z,13E-dien-1-oic acidSMILES O[C@H]1[C@H](C/C=C\CCCC(O)=O)[C@@H](/C=C/[C@@H](O)C(C)(C)CCCC[C@H](O)C1Formula C<sub>22</sub>H<sub>38</sub>O<sub>5</sub> M.Wt 382.5Solubility 10 mM Na<sub>2</sub>CO<sub>3</sub>: >6.5 mg/ml (from PGF2a),DMF: >100 mg/ml (from PGF2a),DMSO: >100 mg/ml (from PGF2a),Ethanol: >100 mg/ml (from PGF2a),PBS pH 7.2: >10 mg/ml (from PGF2a) Store Storage at -20°C

General 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**

16,16-dimethyl PGF2 $\beta$  is a metabolically stable analog of PGF2 $\beta$ . It prevents bronchospasm in asthmatics but is less potent than PGE2.

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

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