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**Product Data Sheet**


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Product Name: 15(S)-15-methyl Prostaglandin E1

Cat. No.: GC18767

**Chemical Properties**

Cas. No. 35700-26-6

Chemical Name 9-oxo-11 $\alpha$ ,15S-dihydroxy-15-methyl-prost-13E-en-1-oic acidSMILES CCCC[C@](C)(O)\C=C\[C@H]1C(O)CC(=O)C1CCCCCCC(=O)OFormula C<sub>21</sub>H<sub>36</sub>O<sub>5</sub>

M.Wt 368.5

Solubility	DMF: >100 mg/ml (from PGE1),DMSO: >50 mg/ml (from PGE1),Ethanol: >50 mg/ml (from PGE1),PBS pH 7.2: >1.6 mg/ml (from PGE1)	Store Storage at - 20°C
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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**

15(S)-15-methyl Prostaglandin E1 (15(S)-15-methyl PGE1) is a metabolically stable synthetic analog of PGE1 . In sharp contrast to the bronchodilatory effects of PGE1, 15(S)-15-methyl PGE1 is a weak constrictor of human respiratory tract smooth muscle.

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

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