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**Product Data Sheet**


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Product Name: 11 $\beta$ -Prostaglandin E1

Cat. No.: GC18617

**Chemical Properties**

Cas. No. 24570-01-2

Chemical Name 9-oxo-11 $\beta$ ,15S-dihydroxy-prost-13E-en-1-oic acidSMILES CCCCC(O)/C=C/[C@H]1[C@@H](O)CC(=O)C1CCCCC(=O)OFormula C<sub>20</sub>H<sub>34</sub>O<sub>5</sub>

M.Wt 354.5

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**

11 $\beta$ -Prostaglandin E1 (11 $\beta$ -PGE1) is an epimerized form of PGE1 at the C-11 position. 11 $\beta$ -PGE1 is a less potent isomer of PGE1. It is 13% and 3.6% as potent as PGE1 in contracting the rat uterus and guinea pig ileum, respectively.

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

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