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**Product Data Sheet**

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Product Name: Prostaglandin E1 Ethanolamide

Cat. No.: GC18738

**Chemical Properties**

Cas. No. 210976-81-1

Chemical Name N-(2-hydroxyethyl)-9-oxo-11 $\alpha$ ,15S-dihydroxy-prost-13E-en-1-amideSMILES CCCCC(O)/C=C/[C@H]1C(O)CC(=O)C1CCCCCCC(=O)NCCOFormula C<sub>22</sub>H<sub>39</sub>NO<sub>5</sub> M.Wt 397.6Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 50 mg/ml, Ethanol: PBS (pH 7.2) (1:1): 0.5 mg/ml, Isotonic Saline: 5 mg/ml  
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**

Prostaglandin E1 ethanolamide (PGE1-EA) is the ethanolamine-amide analog of PGE1. Conversion of AEA, the ethanolamide of arachidonic acid, to PGE2-EA has been demonstrated in vitro. It is not established whether this conversion occurs in whole animals, nor has the pharmacology of the resultant prostaglandin ethanolamides been rigorously studied.

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

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