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**Product Data Sheet**

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Product Name: Prostaglandin A1 ethyl ester

Cat. No.: GC18855

**Chemical Properties**

Cas. No. 93464-24-5

Chemical Name 9-oxo-15S-hydroxy-prosta-10,13E-dien-1-oic acid, ethyl ester

SMILES CCCCC(O)/C=C/[C@H]1C=CC(=O)C1CCCCCCC(=O)OCCFormula  $C_{22}H_{36}O_4$  M.Wt 364.5Solubility DMF: 50 mg/ml, DMSO: 50 mg/ml, Ethanol: 30 mg/ml, PBS  
pH 7.2: 0.25 mg/ml Storage Store 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 A1 (PGA1) ethyl ester is a prodrug form of PGA1 with enhanced lipid solubility. Prostaglandins of the A-series are natural products of gorgonian soft coral. PGA1 has been shown to cause renal vasodilation, increased urine sodium excretion, and lowered arterial pressure in hypertensive patients. There are no published reports on the biological activity of PGA1 ethyl ester at this time.

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

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