
Product Data Sheet

Product Name: 15(R)-Prostaglandin E1

Cat. No.: GC18735

Chemical Properties

Cas. No. 20897-91-0

Chemical Name 9-oxo-11 α ,15R-dihydroxy-prost-13E-en-1-oic acidSMILES CCCC[C@@H](O)/C=C/[C@H]1C(O)CC(=O)C1CCCCCCC(=O)OFormula C₂₀H₃₄O₅ 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

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(R)-PGE1 is the "unnatural"-C-15 stereoisomer of PGE1. It is essentially inactive biologically when compared to PGE1. It is a non-competitive inhibitor of 15-hydroxy PGDH with an IC₅₀ of 189 μ M.

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

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