

Product Data Sheet

Product Name: 8-iso Prostaglandin E1

Cat. No.: GC18737

Chemical Properties

Cas. No. 21003-46-3

Chemical Name 9-oxo-11 α ,15S-dihydroxy-(8 β)-prost-13E-en-1-oic acid

SMILES O=C1[C@@H](CCCCCCC(O)=O)[C@@H](/C=C/[C@@H](O)CCCC)[C@H](O)C1

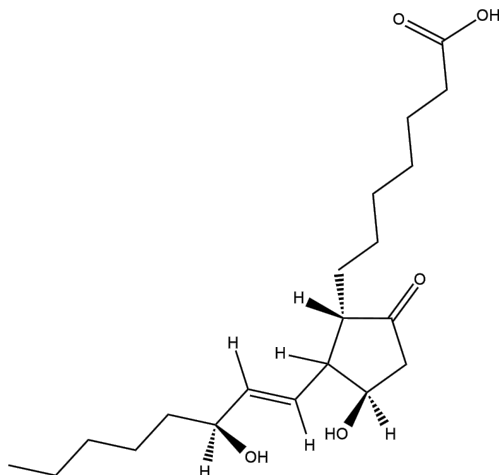
Formula $C_{20}H_{34}O_5$ M.Wt 354.5

Solubility DMF: 50 mg/ml, DMSO: 50 mg/ml, Ethanol: 50 mg/ml, PBS (pH 7.2): 1 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

Isoprostanes are a family of prostanoid molecules of non-cyclooxygenase origin. 8-iso Prostaglandin E1 (8-iso PGE1) is an isoprostane which is found in human semen at levels of 7 ug/ml. It is a pulmonary vasoconstrictor in anesthetized dogs with a potency similar to PGF2 α .

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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