

Product Data Sheet

Product Name: Prostaglandin D1

Cat. No.: GC18999

Chemical Properties

Cas. No. 17968-82-0

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

SMILES CCCCC(O)/C=C/[C@H]1C(=O)CC(O)C1CCCCCCC(=O)O

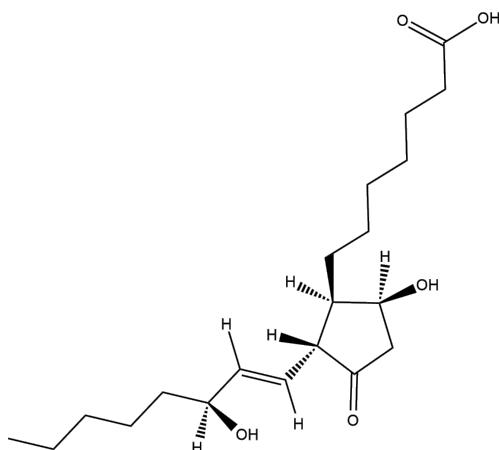
Formula C₂₀H₃₄O₅ M.Wt 354.5

Solubility DMF: >100 mg/ml (from PGD₂), DMSO: >50 mg/ml (from PGD₂), Ethanol: >75 mg/ml (from PGD₂), PBS pH 7.2: >5 mg/ml (from PGD₂)
Storage Store at -80°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 D1 (PGD₁) is the theoretical D-series metabolite of DGLA, but to date it has not been

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isolated as a natural product. It is an inhibitor of ADP-induced platelet aggregation in humans with an IC₅₀ value of 320 ng/ml, about 1/10 as potent as PGD₂.

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