
Product Data Sheet

Product Name: Prostaglandin D1 Alcohol

Cat. No.: GC18878

Chemical Properties

Cas. No. 1176470-37-3

Chemical Name 1,9 α ,15S-trihydroxy-prost-13E-en-11-oneSMILES CCCCC(O)/C=C/[C@H]1C(=O)CC(O)C1CCCCCCCCOFormula C₂₀H₃₆O₄

M.Wt 340.5

Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, Ethanol: 15 mg/ml, PBS
(7.2): 75 μ g/ml when added as a solutStore
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 D1 (PGD1) alcohol is the synthetic analog of PGD1 with a primary alcohol in place of the C-1 carboxyl. There are no known reports of its biological activity. PGD1 is the theoretical D-series metabolite of dihomo- γ -linolenic acid (DGLA), but to date it has not been 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.

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

Address: 10292 Central Ave. #205, Montclair, CA, USA