



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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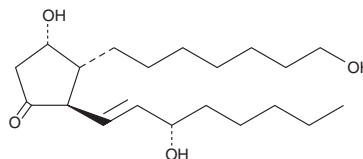
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# Product Information



## Prostaglandin D<sub>1</sub> Alcohol Catalog No. 12002

**CAS Registry No.:** 1176470-37-3  
**Formal Name:** 1,9 $\alpha$ ,15S-trihydroxy-prost-13E-en-11-one  
**MF:** C<sub>20</sub>H<sub>36</sub>O<sub>4</sub>  
**FW:** 340.5  
**Purity:**  $\geq$ 99%  
**Stability:**  $\geq$ 1 year at -20°C  
**Supplied as:** A crystalline solid



### Laboratory Procedures

For long term storage, we suggest that prostaglandin D<sub>1</sub> alcohol (PGD<sub>1</sub> alcohol) be stored as supplied at -20°C. It should be stable for at least one year.

PGD<sub>1</sub> alcohol is supplied as a crystalline solid. A stock solution may be made by dissolving the PGD<sub>1</sub> alcohol in an organic solvent. PGD<sub>1</sub> alcohol is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of PGD<sub>1</sub> alcohol in these solvents is approximately 10 mg/ml. PGD<sub>1</sub> alcohol will be stable for at least one year in these solvents if stored at -20°C.

PGD<sub>1</sub> alcohol is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, PGD<sub>1</sub> alcohol should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. PGD<sub>1</sub> alcohol has a solubility of approximately 75  $\mu$ g/ml in a 1:10 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

PGD<sub>1</sub> alcohol is the synthetic analog of PGD<sub>1</sub> with a primary alcohol in place of the C-1 carboxyl. There are no known reports of its biological activity. PGD<sub>1</sub> is the theoretical D-series metabolite of dihomo- $\gamma$ -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 IC<sub>50</sub> value of 320 ng/ml, about 1/10 as potent as PGD<sub>2</sub>.<sup>1</sup>

### Reference

1. Bundy, G.L., Morton, D.R., Peterson, D.C., *et al.* Synthesis and platelet aggregation inhibiting activity of prostaglandin D analogues. *J. Med. Chem.* **26**, 790-799 (1983).

### Related Products

Prostaglandin D<sub>1</sub> - Cat. No. 12000 • Dihomo- $\gamma$ -Linolenic Acid - Cat. No. 90230

**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY; NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

#### MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent *via* email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

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Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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