



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

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

PRODUCT INFORMATION



11 β -Prostaglandin E₁

Item No. 13450

CAS Registry No.: 24570-01-2
Formal Name: 9-oxo-11 β ,15S-dihydroxy-prost-13E-en-1-oic acid

Synonyms: 11 β -PGE₁, 11-*epi* PGE₁

MF: C₂₀H₃₄O₅

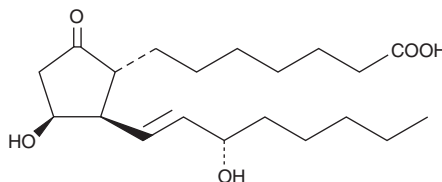
FW: 354.5

Purity: \geq 95%

Supplied as: A crystalline solid

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

11 β -Prostaglandin E₁ (11 β -PGE₁) is supplied as off white granular crystals. A stock solution may be made by dissolving the 11 β -PGE₁ in an organic solvent purged with an inert gas. 11 β -PGE₁ is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of 11 β -PGE₁ in these solvents is approximately 50 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of 11 β -PGE₁ can be prepared by directly dissolving the crystalline compound in aqueous buffers. The solubility of 11 β -PGE₁ in PBS (pH 7.2) is approximately 1.6 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

11 β -PGE₁ is an epimerized form of PGE₁ at the C-11 position. 11 β -PGE₁ is a less potent isomer of PGE₁. It is 13% and 3.6% as potent as PGE₁ in contracting the rat uterus and guinea pig ileum, respectively.

Reference

1. Ramwell, P.W., Shaw, J.E., Corey, E.J., *et al.* Biological activity of synthetic prostaglandins. *Nature* **221**, 1251-1253 (1969).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 07/28/2016

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897

[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM