



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) 

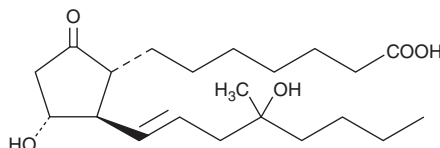
PRODUCT INFORMATION



9-deoxy-9-methylene Prostaglandin E₂

Item No. 14410

CAS Registry No.: 61263-32-9
Formal Name: 9-methylene-11 α ,15S-dihydroxy-prosta-5Z,13E-dien-1-oic acid
Synonym: 9-deoxy-9-methylene PGE₂
MF: C₂₁H₃₄O₄
FW: 350.5
Purity: \geq 98%
Stability: \geq 1 year at -20°C
Supplied as: A solution in methyl acetate



Laboratory Procedures

For long term storage, we suggest that 9-deoxy-9-methylene prostaglandin E₂ (9-deoxy-9-methylene PGE₂) be stored as supplied at -20°C. It should be stable for at least one year.

9-deoxy-9-methylene PGE₂ is supplied as a solution in methyl acetate. To change the solvent, simply evaporate the methyl acetate under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO, dimethyl formamide, or ethanol purged with an inert gas can be used. The solubility of 9-deoxy-9-methylene PGE₂ in these solvents is approximately 100 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 solutions of 9-deoxy-9-methylene PGE₂ can be prepared by evaporating the methyl acetate and directly dissolving the neat oil in aqueous buffers. The solubility of 9-deoxy-9-methylene PGE₂ in PBS (pH 7.2) is approximately 5 mg/ml. Aqueous solutions of 9-deoxy-9-methylene PGE₂ are stable from pH 1 to 14.¹ We do not recommend storing the aqueous solution for more than one day.

Description

9-deoxy-9-methylene PGE₂ is a synthetic analog of PGE₂ (Item No. 14010). 9-deoxy-9-methylene PGE₂ retains the biological profile of PGE₂ with increased stability. In the rat, 9-deoxy-9-methylene PGE₂ is equipotent to PGE₂ in decreasing blood pressure. It also stimulates the gerbil colon and primate uterus at the same potency as PGE₂.¹

Reference

1. Bundy, G.L., Kimball, F.A., Robert, A., Aiken, J.W., Maxey, K.M., Sebek, O.K., Nelson, N.A., Sih, J.C., Miller, W.L., and Hsi, R.S.P. Synthesis and biological activity of 9-deoxy-9-methylene and related prostaglandins. *Adv. Prostaglandin Thromboxane Res.* **6**:355-363, 1980.

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, 08/11/2015

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