



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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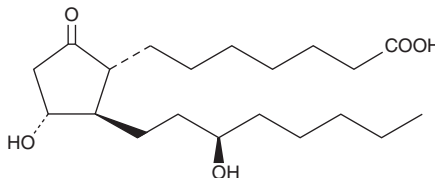
# PRODUCT INFORMATION



## 13,14-dihydro-15(R)-Prostaglandin E<sub>1</sub>

Item No. 13630

**CAS Registry No.:** 201848-10-4  
**Formal Name:** 9-oxo-11 $\alpha$ ,15R-dihydroxy-prostan-1-oic acid  
**Synonym:** 13,14-dihydro-15(R)-PGE<sub>1</sub>  
**MF:** C<sub>20</sub>H<sub>36</sub>O<sub>5</sub>  
**FW:** 356.5  
**Purity:** ≥98%  
**Stability:** ≥1 year at -20°C  
**Supplied as:** A solution in methyl acetate



### Laboratory Procedures

For long term storage, we suggest that 13,14-dihydro-15(R)-prostaglandin E<sub>1</sub> (13,14-dihydro-15(R)-PGE<sub>1</sub>) be stored as supplied at -20°C. It should be stable for at least one year.

13,14-dihydro-15(R)-PGE<sub>1</sub> 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 ethanol, DMSO, and dimethyl formamide (DMF) purged with an inert gas can be used. The solubility of 13,14-dihydro-15(R)-PGE<sub>1</sub> in ethanol and DMSO is approximately 50 mg/ml and 100 mg/ml in DMF.

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. If an organic solvent-free solution of 13,14-dihydro-15(R)-PGE<sub>1</sub> is needed, it can be prepared by evaporating the methyl acetate and directly dissolving the neat oil in aqueous buffers. The solubility of 13,14-dihydro-15(R)-PGE<sub>1</sub> 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

13,14-dihydro-15(R)-PGE<sub>1</sub> is an analog of 13,14-dihydro-PGE<sub>1</sub> (Item No. 13610), which has the hydroxyl group at C-15 in the "unnatural" R configuration.

#### 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.

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