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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Prostaglandin HPLC Mixture

Item No. 10002

Synonyms: PG HPLC Mixture
Purity: $\geq 98\%$ for each compound
Stability: ≥ 6 months at -20°C
Supplied as: A solution in methyl acetate (100 μg of each compound)

Laboratory Procedures

This HPLC mixture contains a mixture of 1-series prostaglandins and 2-series prostaglandins. The 1-series compounds (PGE_1 and $\text{PGF}_{1\alpha}$) are the putative products of dihomo- γ -linolenic acid metabolism, while the 2-series compounds (PGE_2 and $\text{PGF}_{2\alpha}$) are derived from arachidonic acid. 6-keto- $\text{PGF}_{1\alpha}$ is the hydrolysis product of prostacyclin and is thus derived from the 2-series prostaglandin pathway; however, it has lost the 5,6 unsaturation through metabolism and contains only one double bond, like the other 1-series compounds.

These compounds are supplied as a solution in methyl acetate. We suggest that they be stored as supplied at -20°C . They should be stable for at least six months.

Description

Prostaglandins differing only in the presence or absence of the 5,6 double bond are nearly inseparable by standard chromatographic techniques. Silver nitrate (AgNO_3) adsorbed onto silicic acid has been used in the past to help improve resolution. Reverse phase HPLC using relatively high concentrations of organic solvent on an ODS column can also be used in analytical applications to resolve these components.

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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