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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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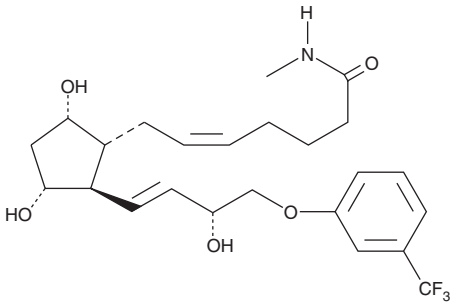
Product Information

Fluprostenol methyl amide

Catalog No. 10010406

Formal Name: N-methyl-9α,11α,15R-trihydroxy-16-(3-(trifluoromethyl)phenoxy)-17,18,19,20-tetranor-prosta-5Z,13E-dien-1-amide
MF: $C_{24}H_{32}F_3NO_5$
FW: 471.5
Purity: ≥98%
Stability: ≥1 year at -20°C
Supplied as: A solution in ethanol



Laboratory Procedures

For long term storage, we suggest that fluprostenol methyl amide be stored as supplied at -20°C. It should be stable for at least one year.

Fluprostenol methyl amide is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of fluprostenol methyl amide 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. If an organic solvent-free solution of fluprostenol methyl amide is needed, it can be prepared by evaporating the ethanol and directly dissolving the neat oil in aqueous buffers. The solubility of fluprostenol methyl amide in PBS, pH 7.2, is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Fluprostenol is an F-series prostaglandin analog which has been approved for many years as a luteolytic in veterinary animals.[1] The isopropyl ester of fluprostenol (travoprost) is an effective ocular hypotensive drug.[2] Fluprostenol is the optically active enantiomer of fluprostenol and would be expected to have twice the potency as the racemic mixture. Fluprostenol methyl amide is a methyl amide analog of fluprostenol. There are no published reports on the biological activity of fluprostenol methyl amide.

References

1. Dukes, M., Russell, W., and Walpole, A.L. Potent luteolytic agents related to prostaglandin $F_{2\alpha}$. *Nature* **250**, 330-331 (1974).
2. Sorbera, L.A. and Castañer, J. Travoprost. *Drugs of the Future* **25**, 41-45 (2000).

Related Products

Fluprostenol - Cat. No. 16767 • Fluprostenol - Cat. No. 16768 • Fluprostenol isopropyl ester - Cat. No. 16769 • 5-*trans* Fluprostenol - Cat. No. 16776 • 5-*trans* Fluprostenol isopropyl ester - Cat. No. 16777 • 2,3-dinor Fluprostenol - Cat. No. 16780 • 9-keto Fluprostenol - Cat. No. 16781 • 9-keto Fluprostenol isopropyl ester - Cat. No. 16782 • 11-keto Fluprostenol - Cat. No. 16783 • 15-keto Fluprostenol - Cat. No. 16785 • 15-keto Fluprostenol isopropyl ester - Cat. No. 16786 • 15(S)-Fluprostenol - Cat. No. 16787 • 15(S)-Fluprostenol isopropyl ester - Cat. No. 16788 • Fluprostenol Lactone Diol - Cat. No. 70037 • Fluprostenol-d_4 - Cat. No. 316767 • Fluprostenol EIA Kit - Cat. No. 516761 • Fluprostenol serinol amide - Cat. No. 10004236 • Fluprostenol methyl ester - Cat. No. 10010151

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