

Product Data Sheet

Product Name: 5-trans Fluprostenol

Cat. No.: GC40284

Chemical Properties

Cas. No. 57968-83-9

SMILES O[C@@H]1[C@H](C/C=C/CCCC(O)=O)[C@@H](/C=C/[C@@H](O)COC2=CC(C(F)(F)F)=CC=C2)[C@H](O)C1

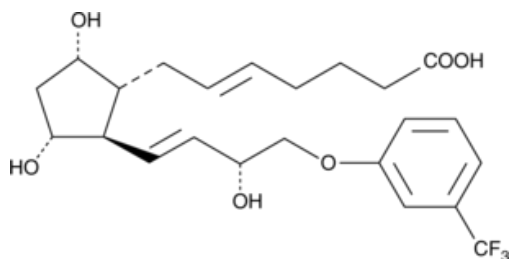
Formula C₂₃H₂₉F₃O₆ M.Wt 458.5

Solubility DMF: 100 mg/ml, DMSO: 100 mg/ml, Ethanol: 100 mg/ml, PBS (pH 7.2): 15 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Travoprost is the Alcon trade name for fluprostenol isopropyl ester, an F-series prostaglandin analog which has been approved for use as an ocular hypotensive drug. Fluprostenol isopropyl ester is a prodrug which is converted by esterase enzymatic activity in the cornea to yield the corresponding free acid, fluprostenol. 5-trans Fluprostenol is an impurity that is routinely found in bulk preparations of fluprostenol in amounts ranging from 1-3%. This impurity occurs in the finished prodrug Travoprost in similar amounts. The pharmacology of 5-trans fluprostenol has not been studied extensively to date.

Caution: Product has not been fully validated for medical applications. For research use only.

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