

Product Data Sheet

Product Name: Prostaglandin F2 α dimethyl amine

Cat. No.: GC18819

Chemical Properties

Cas. No. 67508-09-2

Chemical Name N,N,-dimethyl-9 α ,11 α ,15S-trihydroxy-prosta-5Z,13E-dien-1-amine

SMILES O[C@@H]1C(C/C=C\CCCCN(C)C)[C@@H](/C=C/[C@@H](O)CCCC)[C@H](O)C1

Formula C₂₂H₄₁NO₃ M.Wt 367.6

Solubility DMF: >50 mg/ml; DMSO: >50 mg/ml; Storage Store at -20°C
Ethanol: >20 mg/ml; Methyl acetate:
<10 mg/ml; PBS (pH 7.2): >3 mg/ml

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.

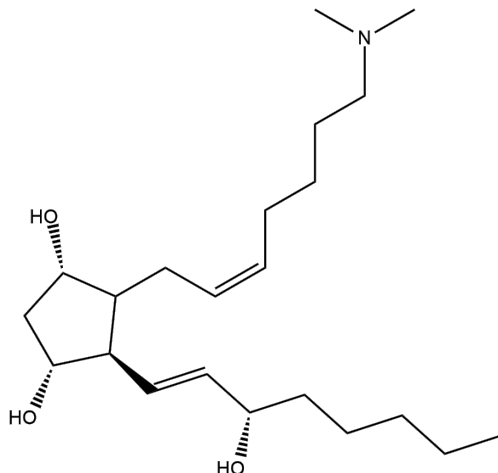
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

PGF2 α dimethyl amine is a derivative of PGF2 α which was designed as a PG antagonist for in vitro and in vivo studies. PGF2 α dimethyl amine is a weak FP receptor antagonist. In gerbil colon, PGF2 α dimethyl amine at a dose of 3.2 μ g/ml inhibits the contractile effects of PGF2 α (at 6 ng/ml) by 60%.

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