
Product Data Sheet

Product Name: Prostaglandin A1 methyl ester

Cat. No.: GC40340

Chemical Properties

Cas. No. 26771-94-8

SMILES CCCC[C@H](O)/C=C/[C@H]([C@H]1CCCCCCC(OC)=O)C=CC1=OFormula C₂₁H₃₄O₄

M.Wt 350.5

Solubility Acetone: 100 mg/ml, DMF: 75 mg/ml, DMSO: 50 mg/ml, Ethanol: 100 mg/ml, PBS (pH 7.2): 2 mg/ml

Store
Storage 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 sizes: ship with RT, or blue ice upon request.

Structure Prostaglandin A1 methyl ester**Background**

Prostaglandin A1 (PGA1) has been shown to cause renal vasodilation, increase urine sodium excretion, and lowers arterial pressure in hypertensive patients. It also has displayed growth-inhibitory activity on tumor cells; the IC₅₀ value for the inhibition of human ovarian cancer is 7.5 μM. PG A1 methyl ester is a lipophilic analog of PGA1 which may be more amenable for certain formulations or applications.

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

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