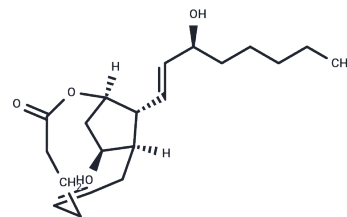


Prostaglandin F2 α 1,11-lactone

Chemical Properties

CAS No. :	62410-84-8
Formula:	C ₂₀ H ₃₂ O ₄
Molecular Weight:	336.47
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Prostaglandin F2 α 1,11-lactone (PGF2 α 1,11-lactone) is a lipid-soluble prodrug of Prostaglandin F2 α and can be used in studies about treating glaucoma. Prostaglandin F2 α 1,11-lactone is active as an antifertility agent with greatly reduced vasoactivity.
Targets(IC50)	Prostaglandin Receptor

Solubility Information

Solubility	PBS (pH 7.2): <50 μ g/mL Ethanol:PBS (30:70): 8 mg/mL DMSO: 9mg/mL (26.7mM) Ethanol: >100 mg/mL DMF: >20 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.972 mL	14.8602 mL	29.7203 mL
5 mM	0.5944 mL	2.972 mL	5.9441 mL
10 mM	0.2972 mL	1.486 mL	2.972 mL
50 mM	0.0594 mL	0.2972 mL	0.5944 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Chien DS, Tang-Liu DD, Woodward DF. Ocular penetration and bioconversion of prostaglandin F2 α prodrugs in rabbit cornea and conjunctiva. J Pharm Sci. 1997 Oct;86(10):1180-6.

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