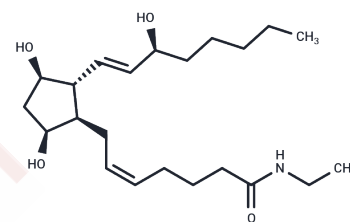


Prostaglandin F2 α ethyl amide

Chemical Properties

CAS No. :	54130-36-8
Formula:	C ₂₂ H ₃₉ NO ₄
Molecular Weight:	381.6
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Prostaglandin F2 α ethyl amide (PGF2 α -NEt), a PGF2 α analog featuring an N-ethyl amide modification at the C-1 carboxyl group, possesses ocular hypotensive activity similar to PG esters. Introduced as alternative prostaglandin ocular hypotensive prodrugs, PGF2 α -NEt and other PG N-ethyl amides, contrary to claims of not converting to free acids in vivo, have been demonstrated by our laboratory studies to undergo conversion by bovine and human corneal tissue into the respective free acids at a rate of approximately 2.5 μ g/g corneal tissue/hr. This suggests PGF2 α -NEt is expected to elicit typical PGF2 α free acid intraocular effects, albeit with slower hydrolysis kinetics characteristic of PG N-amides.
Targets(IC50)	Others,Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6205 mL	13.1027 mL	26.2055 mL
5 mM	0.5241 mL	2.6205 mL	5.2411 mL
10 mM	0.2621 mL	1.3103 mL	2.6205 mL
50 mM	0.0524 mL	0.2621 mL	0.5241 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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