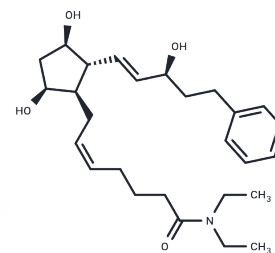


17-phenyl trinor Prostaglandin F2 α diethyl amide

Chemical Properties

CAS No. :	1176637-26-5
Formula:	C ₂₇ H ₄₁ NO ₄
Molecular Weight:	443.6
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	17-Phenyl trinor Prostaglandin F ₂ α diethyl amide (17-phenyl trinor PGF ₂ α diethyl amide) is a Prostaglandin F ₂ α (PGF ₂ α) analog characterized by the substitution of the C-1 carboxyl group with an N-diethyl amide. Prostaglandin (PG) esters and N-ethyl amides have demonstrated ocular hypotensive properties, with N-ethyl amides introduced as alternative options for PG hypotensive prodrugs. Studies indicate that both bovine and human corneal tissues can convert N-ethyl amides of various PGs into their free acid forms at a rate of approximately 2.5 μ g/g corneal tissue/hr. However, dialkyl amides like 17-phenyl trinor PGF ₂ α diethyl amide resist conversion by corneal amidase, showing no detectable transformation into free acids. This characteristic suggests their potential as valuable investigative tools for assessing the intrinsic intraocular hypotensive activities of PG amides.
Targets(IC50)	Others,Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2543 mL	11.2714 mL	22.5428 mL
5 mM	0.4509 mL	2.2543 mL	4.5086 mL
10 mM	0.2254 mL	1.1271 mL	2.2543 mL
50 mM	0.0451 mL	0.2254 mL	0.4509 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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