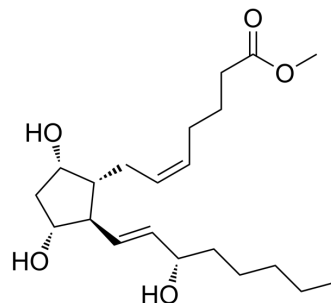


Prostaglandin F2 α methyl ester

Cat. No.:	HY-118648
CAS No.:	33854-16-9
Molecular Formula:	C ₂₁ H ₃₆ O ₅
Molecular Weight:	368.51
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Prostaglandin F2 α methyl ester (PGF2 α methyl ester; Dinoprost methyl) is a PGF2 α analog with more lipid solubility. Prostaglandin F2 α methyl ester exhibits efficacy in maintaining the ocular hypotensive ^[1] .	
In Vivo	Prostaglandin F2 α methyl ester (1-10 μ g for one eye, single dose) lowers the intraocular pressure (IOP) and reduces pupillary diameter in cats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Cats ^[1]
	Dosage:	1-10 μ g
	Administration:	topically applied for one eye
	Result:	lowered the IOP and reduced pupillary diameter.

REFERENCES

[1]. Bito LZ. Comparison of the ocular hypotensive efficacy of eicosanoids and related compounds. Exp Eye Res. 1984 Feb;38(2):181-94.

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

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