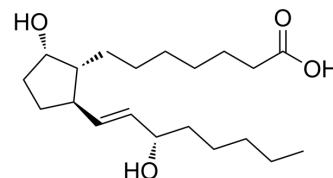


11-deoxy Prostaglandin F1 α

Cat. No.:	HY-131696
CAS No.:	37785-98-1
Molecular Formula:	C ₂₀ H ₃₆ O ₄
Molecular Weight:	340.5
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	11-deoxy Prostaglandin F1 α (11-deoxy PGF1 α) is an analog of prostaglandin F1 α , exhibits side effects on intestines and causes the uterine contraction. 11-deoxy Prostaglandin F1 α exhibits activity as vasopressor and bronchoconstrictor ^{[1][2]} .								
In Vivo	<p>11-deoxy PGF1α (0-10 mg/kg, i.v., single dose) stimulates the uterine contraction in pregnant SD rats, while reveals slightly efficacy on hamster fertility^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>pregnant Sprague-Dawley rats^[1]</td> </tr> <tr> <td>Dosage:</td> <td>0-10 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.v., single dose</td> </tr> <tr> <td>Result:</td> <td>Stimulated uterine contraction 3 times active as PGF1α.</td> </tr> </table>	Animal Model:	pregnant Sprague-Dawley rats ^[1]	Dosage:	0-10 mg/kg	Administration:	i.v., single dose	Result:	Stimulated uterine contraction 3 times active as PGF1 α .
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Dosage:	0-10 mg/kg								
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Result:	Stimulated uterine contraction 3 times active as PGF1 α .								

REFERENCES

[1]. Broughton BJ, et al., Uterine stimulant action of some omega-chain modified (+)-11-deoxyprostaglandins. Prostaglandins. 1981 Jul;22(1):53-64.

[2]. Hall DW, et al., Structure-activity relationships in a series of 11-deoxy prostaglandins. Prostaglandins. 1976 Mar;11(3):573-87.

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

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