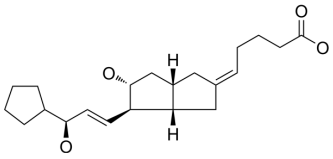
Ataprost

Cat. No.:	HY-119860
CAS No.:	83997-19-7
Molecular Formula:	$C_{21}H_{32}O_4$
Molecular Weight:	348.48
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ataprost (ONO 41483) is an orally active Carboprostacyclin (HY-112322) analogue. Ataprost exhibits 2.6 times more active than Carboprostacyclin in inhibiting ADP-induced platelet aggregation in vitro. Ataprost has the ability to relieve coronary spasm[1].
IC_{50} & Target	Platelet aggregation[1]
In Vitro	Ataprost inhibits platelet aggregation in human and baboon platelet rich plasma (PRP) with ED_{50}s of 1.91 ng/mL and 4.38 ng/mL, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Ataprost (50-200 μg/kg; p.o.; single dose) inhibits platelet aggregation with an ED_{50} value of 87 μg/kg in baboon[1]. Ataprost (i.v.; single dose) inhibits platelet aggregation with an ED_{50} value of 3.2 μg/kg in baboon[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Adaikan PG, et al. Inhibition of platelet aggregation and reversal of vasopressin-induced ECG changes by a carboprostacyclin analogue, ONO 41483, in primates. Prostaglandins Leukot Med. 1982 Sep;9(3):307-20.

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