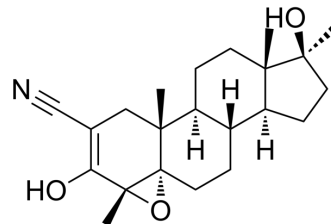


Epostane

Cat. No.:	HY-105128
CAS No.:	80471-63-2
Molecular Formula:	C ₂₂ H ₃₁ NO ₃
Molecular Weight:	357.49
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Epostane (WIN 32729) is an orally active inhibitor for 3β-hydroxysteroid dehydrogenase, with IC ₅₀ of 1.45 nM. Epostane blocks ovulation and pregnancy in rats ^[1] .								
In Vivo	<p>Epostane (0-200 mg/kg, p.o., single dose) inhibits ovulation in mature rats and gonadotropin-stimulated ovulation in immature rats, terminates pregnancy through lowering plasma progesterone levels^[1]. 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>Sprague Dawley rats model^[1]</td> </tr> <tr> <td>Dosage:</td> <td>0-200 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>p.o., single dose</td> </tr> <tr> <td>Result:</td> <td>Terminated ovulation and pregnancy in rats, which was reversed by injections of progesterone.</td> </tr> </table>	Animal Model:	Sprague Dawley rats model ^[1]	Dosage:	0-200 mg/kg	Administration:	p.o., single dose	Result:	Terminated ovulation and pregnancy in rats, which was reversed by injections of progesterone.
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Dosage:	0-200 mg/kg								
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Result:	Terminated ovulation and pregnancy in rats, which was reversed by injections of progesterone.								

REFERENCES

[1]. Snyder BW, et al., Inhibition of ovulation in rats with epostane, an inhibitor of 3 beta-hydroxysteroid dehydrogenase. Proc Soc Exp Biol Med. 1984 Jul;176(3):238-42.

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

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