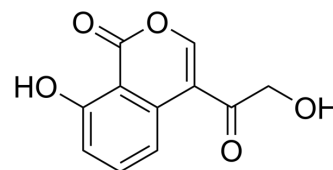


Oosponol

Cat. No.:	HY-116158
CAS No.:	146-04-3
Molecular Formula:	C ₁₁ H ₈ O ₅
Molecular Weight:	220.18
Target:	Dopamine β-hydroxylase; Fungal
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Oosponol is a dopamine beta-hydroxylase inhibitor exhibiting hypotensive effects. Oosponol has strong antifungal activity against many antagonistic fungi ^{[1][2]} .
In Vivo	Oosponol (6.25 mg/kg, 3.1 mg/kg, ip, Once) can lower blood pressure in spontaneously hypertensive rats model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
	Animal Model: Spontaneously hypertensive rats ^[1]
	Dosage: 6.25 mg/kg, 3.1 mg/kg
	Administration: Intraperitoneal injection, once.
	Result: The intraperitoneal injection of 6.25 mg/kg lowered the pressure from 186 mm to 138~112 mm, the intraperitoneal injection of 3.1 mg/kg lowered the pressure from 185 mm to 164~131 mm ^[1] .
	Animal Model: Spontaneously hypertensive rats ^[1]
	Dosage: 6.25 mg/kg, 3.1 mg/kg
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	Result: The intraperitoneal injection of 6.25 mg/kg lowered the pressure from 186 mm to 138~112 mm, the intraperitoneal injection of 3.1 mg/kg lowered the pressure from 185 mm to 164~131 mm.

REFERENCES

[1]. Umezawa H, et al.. Dopamine -hydroxylase inhibitor produced by Gloeophyllum striatum and its identity with oosponol. J Antibiot (Tokyo). 1972 Apr;25(4):239-42.

[2]. Sonnenbichler J, et al. Influence of the Gloeophyllum metabolite oosponol and some synthetic analogues on protein and RNA synthesis in target cells. Eur J Biochem. 1997 May 15;246(1):45-9.

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

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