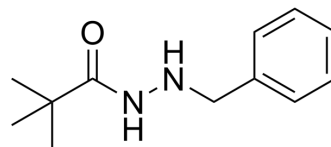


Pivalylbenzhydrazine

Cat. No.:	HY-148158
CAS No.:	306-19-4
Molecular Formula:	C ₁₂ H ₁₈ N ₂ O
Molecular Weight:	206.28
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pivalylbenzhydrazine (Pivhydrazine) is a potent monoamine oxidase (MAO) inhibitor. Pivalylbenzhydrazine decreases cartilage growth in normal rats. Pivalylbenzhydrazine can be used in research of depression ^[1] .	
In Vivo	Pivalylbenzhydrazine (Pivhydrazine; 5 mg/kg; i.p.; daily, for 5 d; immature female rats) inhibits the growth of the epiphysial cartilage ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Immature female rats (40 g, 3-4 weeks age) ^[1]
	Dosage:	5 mg/kg
	Administration:	Intraperitoneal injection; daily, for 5 days
	Result:	Inhibited the growth of the epiphysial cartilage

REFERENCES

[1]. Zor U, et, al. The effect of monoamine oxidase inhibitors on growth and the rat tibia test. J Endocrinol. 1965 Apr;32:35-43.

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

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