Mebanazine

Cat. No.: HY-148145

CAS No.: 65-64-5

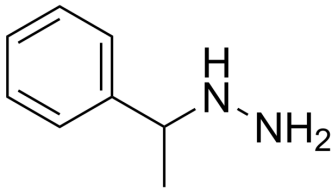
Molecular Formula: $C_8H_{12}N_2$

Molecular Weight: 136.19

Target: Monoamine Oxidase

Pathway: Neuronal Signaling

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mebanazine is a potent monoamine oxidase (MAO) inhibitor. Mebanazine can be used in research of depression[1].

In Vivo

Mebanazine (90 mg/kg; i.p.; once; mature female rats) decreases the blood giucose level[1].

Mebanazine (1-60 mg/kg; i.p.; once; mature female rats) has the minimal dose which lowered blood glucose after 12 h is 60 mg/kg[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Mature female rats[1]
Dosage:	90 mg/kg
Administration:	Intraperitoneal injection; once
Result:	Decreased the blood giucose level after 4-8 h, and continues for 2 days.

Animal Model:	Mature female rats[1]
Dosage:	0-60 mg/kg
Administration:	Intraperitoneal injection; once
Result:	Decreased the blood giucose level in a dose-dependent manner.

REFERENCES

[1]. Mishkinsky UZ, et. al. The hypoglycaemic effect of mebanazine (Actomol) and its mechanism. Biochemical Pharmacology. 1965;14(7):1059-64.

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

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