Safrazine

Cat. No.: HY-148159

CAS No.: 33419-68-0

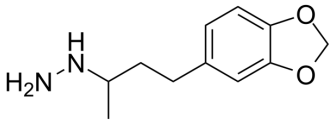
Molecular Formula: $C_{11}H_{16}N_2O_2$

Molecular Weight: 208.26

Target: Monoamine Oxidase

Pathway: Neuronal Signaling

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



BIOLOGICAL ACTIVITY

Description	Safrazine is an irreversible, non-specific and orally active monoamine oxidase (MAO) inhibitor. Safrazine can be used for the research of depression[1].
In Vitro	Safrazine (0.1-0.5 μM; 0-80 min) strengthenes the inhibitory potency by preincubation in a time-dependent manner[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Safrazine (oral; 3, 10, 30 mg/kg) causes the increases contents of monoamine lasted for at least 24 h[1]. Safrazine strongly inhibits both 5-HT and PEA deaminations, but shows no selectivity toward the substrate used[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male ddY mice[1]
Dosage:	3, 10, 30 mg/kg
Administration:	Oral
Result:	Inhibited significantly both 5-HT and PEA deaminations at only 3 mg/kg by 77% and 71%, respectively. Completely reduced both deaminations at 10 and 30 mg/kg and not observed specificity toward substrates.

REFERENCES

[1]. T Yokoyama, et al. Comparative studies of the effects of RS-8359 and safrazine on monoamine oxidase in-vitro and in-vivo in mouse brain. J Pharm Pharmacol. 1989 Jan;41(1):32-6.

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

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