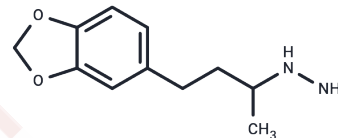


Safrazine

Chemical Properties

CAS No. :	33419-68-0
Formula:	C ₁₁ H ₁₆ N ₂ O ₂
Molecular Weight:	208.26
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Safrazine is an irreversible, non-specific, and orally active monoamine oxidase (MAO) inhibitor that can be used in depression research[1].
Targets(IC50)	Others, Monoamine Oxidase
In vitro	Safrazine (0.1-0.5 μ M; 0-80 min) enhances inhibitory potency via time-dependent preincubation [1].
In vivo	Safrazine administered orally in male ddY mice at dosages of 3, 10, and 30 mg/kg significantly inhibits both 5-HT and PEA deaminations, without selectivity toward either substrate. At a dosage of 3 mg/kg, it inhibited 5-HT and PEA deaminations by 77% and 71%, respectively. Complete inhibition of both deaminations was observed at 10 and 30 mg/kg. Additionally, the increase in monoamine contents induced by safrazine lasted for at least 24 hours.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8017 mL	24.0085 mL	48.0169 mL
5 mM	0.9603 mL	4.8017 mL	9.6034 mL
10 mM	0.4802 mL	2.4008 mL	4.8017 mL
50 mM	0.096 mL	0.4802 mL	0.9603 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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