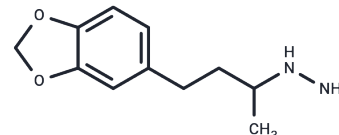


Safrazine

Chemical Properties

CAS No. :	33419-68-0
Formula:	C ₁₁ H ₁₆ N ₂ O ₂
Molecular Weight:	208.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Safrazine is an irreversible, non-specific and orally active monoamine oxidase (MAO) inhibitor. Safrazine can be used in depression research[1].
In vitro	Safrazine (0.1-0.5 μ M; 0-80 min) increases inhibitory potency through 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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