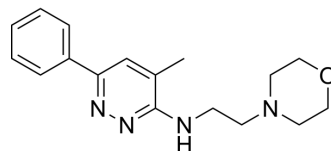


Minaprine

Cat. No.:	HY-B0884
CAS No.:	25905-77-5
Molecular Formula:	C ₁₇ H ₂₂ N ₄ O
Molecular Weight:	298.38
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 35 mg/mL (117.30 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		3.3514 mL	16.7572 mL	33.5143 mL
	5 mM		0.6703 mL	3.3514 mL	6.7029 mL
	10 mM		0.3351 mL	1.6757 mL	3.3514 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Minaprine is a reversible inhibitor of MAO-A; weakly inhibit acetylcholinesterase; an antidepressant for treatment of depression.

REFERENCES

- [1]. Kan JP, et al. Effect of the antidepressant minaprine on both forms of monoamine oxidase in the rat. *Biochem Pharmacol.* 1986 Mar 15;35(6):973-8.
- [2]. Contreras JM, et al. Aminopyridazines as acetylcholinesterase inhibitors. *J Med Chem.* 1999 Feb 25;42(4):730-41.

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

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