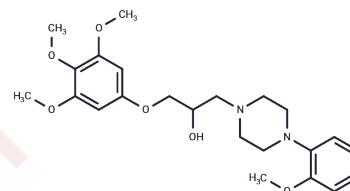


## Enciprazine

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 68576-86-3  |
| Formula:          | C <sub>23</sub> H <sub>32</sub> N <sub>2</sub> O <sub>6</sub>   |
| Molecular Weight: | 432.51  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | Enciprazine (D-3112) has anxiolytic activity with high affinity for 5-HT <sub>1A</sub> receptor and ADRA <sub>1</sub> , which can be used for the treatment of anxiety disorders and can be used to study depression. |
| Targets(IC <sub>50</sub> ) | 5-HT Receptor   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3121 mL | 11.5604 mL | 23.1209 mL |
| 5 mM  | 0.4624 mL | 2.3121 mL  | 4.6242 mL  |
| 10 mM | 0.2312 mL | 1.156 mL   | 2.3121 mL  |
| 50 mM | 0.0462 mL | 0.2312 mL  | 0.4624 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.

## Reference

- Schweizer E, et al. A placebo-controlled study of enciprazine in the treatment of generalized anxiety disorder: a preliminary report. *Psychopharmacol Bull.* 1990;26(2):215-7.
- Scatina JA, et al. Metabolic disposition of enciprazine, a non-benzodiazepine anxiolytic drug, in rat, dog and man. *Xenobiotica.* 1991 Dec;21(12):1591-604.
- Nickel B, et al. Comparison of changes in the EEG of freely moving rats induced by enciprazine, buspirone and diazepam. *Neuropharmacology.* 1989 Aug;28(8):799-803.
- Engel J, Fleischhauer I, Jakovlev V, Kleemann A, Kutscher B, Nickel B, Rauer H, Werner U, Szelenyi I, Johanson CE, et al. Chemistry and pharmacology of the non-benzodiazepine anxiolytic enciprazine and related compounds. *J Med Chem.* 1990 Nov;33(11):2976-81.

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