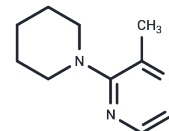


## Modaline sulfate

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2856-75-9   |
| Formula:          | C <sub>10</sub> H <sub>17</sub> N <sub>3</sub> O <sub>4</sub> S |
| Molecular Weight: | 275.33  |
| Appearance:       | no data available   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year        |



## Biological Description

|               |   |
|---------------|---|
| Description   | Modaline was a 2-methyl-3-piperidinopyrazine derivative found to inhibit monoamine oxidase (MAO) and showed a curative effect for the anti-depressant. Similar to other MAO inhibitors, it enhanced convulsions induced by tryptamine and hyperthermia induced by dopa. |
| Targets(IC50) | MAO, Monoamine Oxidase  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 50 mg/mL (181.6 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 3.632 mL  | 18.160 mL | 36.3201 mL |
| 5 mM  | 0.7264 mL | 3.632 mL  | 7.264 mL   |
| 10 mM | 0.3632 mL | 1.816 mL  | 3.632 mL   |
| 50 mM | 0.0726 mL | 0.3632 mL | 0.7264 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.

## Reference

Tangri KK, et al. Jpn J Pharmacol. 1972 Oct;22(5):599-604.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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