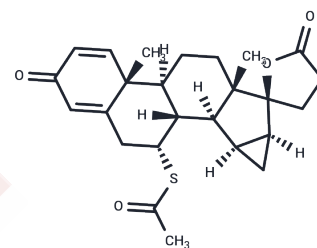


## Mespirenone

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 87952-98-5  |
| Formula:          | C <sub>25</sub> H <sub>30</sub> O <sub>4</sub> S  |
| Molecular Weight: | 426.57  |
| 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   | Mespirenone is a spironolactone derivative and aldosterone antagonist with diuretic effects. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3443 mL | 11.7214 mL | 23.4428 mL |
| 5 mM  | 0.4689 mL | 2.3443 mL  | 4.6886 mL  |
| 10 mM | 0.2344 mL | 1.1721 mL  | 2.3443 mL  |
| 50 mM | 0.0469 mL | 0.2344 mL  | 0.4689 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

Weindel K, et al. Inhibitory effects of the novel anti-aldosterone compound mespirenone on adrenocortical steroidogenesis in vitro. *Arzneimittelforschung*. 1991 Sep;41(9):946-9.

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