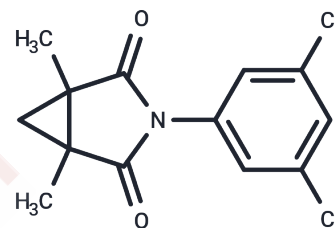


## Procymidone

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 32809-16-8  |
| Formula:          | C <sub>13</sub> H <sub>11</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>                                       |
| Molecular Weight: | 284.14  |
| 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   | Procymidone is a broad-spectrum fungicide that inhibits fungal glycerol triester synthesis, thereby disrupting hyphal growth. It is primarily used for grey mould and sclerotium rot and can also act as a competitive androgen receptor (AR) antagonist, interfering with sexual differentiation in male rats. |
| Targets(IC50) | Androgen Receptor,Antifungal  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 4 mg/mL (14.08 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 3.5194 mL | 17.597 mL | 35.1939 mL |
| 5 mM  | 0.7039 mL | 3.5194 mL | 7.0388 mL  |
| 10 mM | 0.3519 mL | 1.7597 mL | 3.5194 mL  |
| 50 mM | 0.0704 mL | 0.3519 mL | 0.7039 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

- Taira S, et al. Mass Spectrometry Imaging Analysis of Location of Procymidone in Cucumber Samples. *J Agric Food Chem.* 2015 Jul 15;63(27):6109-12.
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- Xu T, et al. Involvement of alternative oxidase in the regulation of sensitivity of *Sclerotinia sclerotiorum* to the fungicides azoxystrobin and procymidone. *J Microbiol.* 2013 Jun;51(3):352-8.
- Galli CL, et al. A computational approach to evaluate the androgenic affinity of iprodione, procymidone, vinclozolin and their metabolites. *PLoS One.* 2014 Aug 11;9(8):e104822.

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