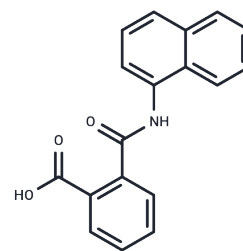


## Naptalam

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 132-66-1                                                 |
| Formula:          | C <sub>18</sub> H <sub>13</sub> NO <sub>3</sub>          |
| Molecular Weight: | 291.3                                                    |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|                            |                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | Naptalam is an herbicide. Naptalam is a dicarboxylic acid monoamide which results from addition of one equivalent of 1-naphthylamine to phthalic anhydride. It is a dicarboxylic acid monoamide, a carboxylic acid and a N-(1-naphthyl)carboxamide. It is a conjugate acid of a naptalamate. |
| Targets(IC <sub>50</sub> ) | Others                                                                                                                                                                                                                                                                                       |

### Solubility Information

|            |                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 22.5 mg/mL (77.24 mM),<br>( $< 1$ mg/mL refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.4329 mL | 17.1644 mL | 34.3289 mL |
| 5 mM  | 0.6866 mL | 3.4329 mL  | 6.8658 mL  |
| 10 mM | 0.3433 mL | 1.7164 mL  | 3.4329 mL  |
| 50 mM | 0.0687 mL | 0.3433 mL  | 0.6866 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.

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