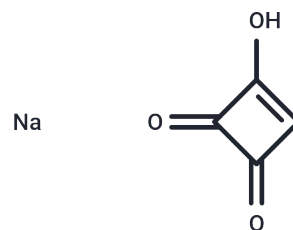


## Moniliformin sodium salt

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 71376-34-6   |
| Formula:          | C <sub>4</sub> HNaO <sub>3</sub>                         |
| Molecular Weight: | 120.04   |
| Appearance:       | no data available  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |  |
|---------------|--|
| Description   | Moniliformin sodium salt is water-soluble mycotoxin isolate from <i>Fusarium moniliforme</i> .   |
| Targets(IC50) | Others   |
| In vitro      | Several strains of <i>Fusarium moniliforme</i> produce in laboratory culture more than 800 mg of moniliformin per kg of growth substrate. Monocytes-derived macrophages exposed to moniliformin during the differentiation process present a decrease of endocytosis ability, and a decrease of CD71 and HLA-DR expression[1]. |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 45 mg/mL (374.88 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 8.3306 mL | 41.6528 mL | 83.3056 mL |
| 5 mM  | 1.6661 mL | 8.3306 mL  | 16.6611 mL |
| 10 mM | 0.8331 mL | 4.1653 mL  | 8.3306 mL  |
| 50 mM | 0.1666 mL | 0.8331 mL  | 1.6661 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

- Ficheux AS, et al. Effects of beauvericin, enniatin b and moniliformin on human dendritic cells and macrophages: an in vitro study. *Toxicol.* 2013 Sep;71:1-10.
- Jonsson M, et al. Repeated dose 28-day oral toxicity study of moniliformin in rats. *Toxicol Lett.* 2015 Feb 17;233(1):38-44.

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