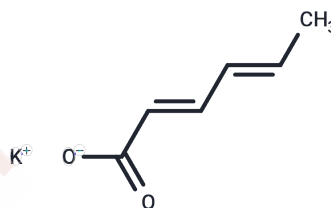


## Potassium sorbate

## Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 24634-61-5                                               |
| Formula:          | C <sub>6</sub> H <sub>7</sub> KO <sub>2</sub>            |
| Molecular Weight: | 150.22                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |                                                                                                                                                                                                       |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Potassium sorbate (Sorbic acid potassium salt) acts as a potential antifungal agent when used in conjunction with polyethylene films. It also used as a corrosion inhibitor via corrosion mitigation. |
| Targets(IC50) | Endogenous Metabolite,Antibacterial,Antibiotic,Antifungal                                                                                                                                             |

## Solubility Information

|            |                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 2 mg/mL (13.31 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 6.6569 mL | 33.2845 mL | 66.569 mL  |
| 5 mM  | 1.3314 mL | 6.6569 mL  | 13.3138 mL |
| 10 mM | 0.6657 mL | 3.3285 mL  | 6.6569 mL  |
| 50 mM | 0.1331 mL | 0.6657 mL  | 1.3314 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

Gören AC, HPLC and LC-MS/MS methods for determination of sodium benzoate and potassium sorbate in food and beverages: performances of local accredited laboratories via proficiency tests in Turkey. Food Chem. 2015 May 15; 175:273-9.

Aaby K, Polyphenol composition and antioxidant activity in strawberry purees; impact of achene level and storage. J Agric Food Chem. 2007 Jun 27;55(13):5156-66.

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