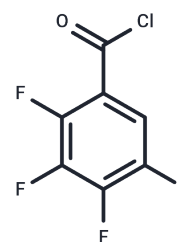


## 2,3,4,5-Tetrafluorobenzoyl chloride

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 94695-48-4  |
| Formula:          | C <sub>7</sub> HClF <sub>4</sub> O  |
| Molecular Weight: | 212.53  |
| 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 | 2,3,4,5-Tetrafluorobenzoyl chloride is a fluorinated organic compound that falls under the category of benzoyl chlorides. It appears as a colorless liquid with a pungent odor and is primarily utilized as an intermediate in the synthesis of various pharmaceuticals and agrochemical compounds. Serving as an acylating agent, it can react with a wide range of nucleophiles, such as amines, alcohols, and thiols, to form amides, esters, or thioesters, respectively. Its unique fluorinated structure can impart desired characteristics to target molecules, such as enhanced lipophilicity or increased resistance to metabolic degradation. However, due to its high reactivity and potential health hazards, appropriate safety measures and handling procedures are essential when using this compound. |
|-------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.7052 mL | 23.5261 mL | 47.0522 mL |
| 5 mM  | 0.941 mL  | 4.7052 mL  | 9.4104 mL  |
| 10 mM | 0.4705 mL | 2.3526 mL  | 4.7052 mL  |
| 50 mM | 0.0941 mL | 0.4705 mL  | 0.941 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.

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