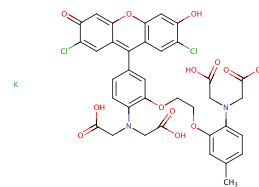


## Fluo-3 (potassium salt)

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 853400-67-6  |
| Formula:          | C <sub>36</sub> H <sub>30</sub> Cl <sub>2</sub> KN <sub>2</sub> O <sub>13</sub>  |
| Molecular Weight: | 808.64   |
| Storage:          | Keep away from direct sunlight<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |



## Biological Description

|               |  |
|---------------|--|
| Description   | Fluo-3 (potassium salt) is a fluorescent calcium indicator commonly used in flow cytometry and cell-based experiments to detect changes in intracellular calcium levels. Its absorption maximum at 506 nm makes it compatible with excitation at 488 nm by argon-ion laser sources. Fluo-3 provides intense fluorescence upon binding calcium, detected at a maximum emission at 526 nm which can be monitored by FL1 (green, 525 nm band pass) sensors in flow cytometry. |
| Targets(IC50) | Others   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | H <sub>2</sub> O: Soluble<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.2366 mL | 6.1832 mL | 12.3664 mL |
| 5 mM  | 0.2473 mL | 1.2366 mL | 2.4733 mL  |
| 10 mM | 0.1237 mL | 0.6183 mL | 1.2366 mL  |
| 50 mM | 0.0247 mL | 0.1237 mL | 0.2473 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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