

## Ionomycin Calcium Salt

**Cat:** I8800

**Specification:** 1mg /10mg

**Storage:** Product should be kept at -20°C

### Product Information

**CAS:** 56092-82-1

**English name:** Ionomycin Calcium Salt

**Appearance (Character):** Crystalline solid

**Chemical Name:** calcium;

(4R,6S,8S,10Z,12R,14R,16E,18R,19R,20S,21S)-19,21-dihydroxy-22-[(2S,5S)-5-[(2R,5S)-5-(1R)-1-hydroxyethyl]-5-methyloxolan-2-yl]-5-methyloxolan-2-yl]-4,6,8,12,14,18,20-heptamethyl-11-oxido-9-oxodocosa-10,16-dienoate

**Molecular Formula:** C<sub>41</sub>H<sub>70</sub>O<sub>9</sub> Ca

**Molecular Weight:** 747.1

**Purity:** ≥98%

**Solubility:** Soluble in organic solvents such as ethanol and DMSO. DMSO up to 1.5mg/ml.

### Introduction

Ionomycin is an ionophore discovered in *Streptomyces conglobatus* and used in the study of intracellular calcium. It is also reported to stimulate the intracellular production of IL-2, IL-4 and perforin. It is supplied as a calcium salt for ease of storage.

### Note

1. Unless otherwise specified, the biochemical reagents produced by our company are generally non-sterile packaged. If they are to be used for cell experiments, please conduct pretreatment in advance.
2. Once dissolved, please store the solution in separate containers to avoid product degradation caused by repeated freezing and thawing.
3. The product information is for reference only. If you have any questions, please call 400-968-6088 for consultation.
4. The products are all for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store them in ordinary residential areas.
5. For your safety and health, please wear laboratory clothes, disposable gloves and masks to operate.