Technical Data Sheet

Ionomycin Calcium Salt
Catalog Number: 5608212

Product Information

**Synonyms:** IONOMYCINCALCIUMSALT

**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_{41}H_{70}O_{9}Ca

**Molecular Weight:** 747.1

**CAS Number:** 56092-82-1

**Purity:** ≥98%

**Applications:** FA

**Formulation:** Crystalline solid

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

Description

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.

Preparation & Storage

Soluble in organic solvents such as ethanol or DMSO. DMSO up to 1.5 mg/ml.

References

