

Ionomycin Calcium Salt

Catalog No.: I11110

CAS Number:56092-82-1

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

Synonyms: IONOMYCINCALCIUMSALT

Formulation: 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: C₄₁H₇₀O₉ Ca

Molecular Weight:747.1

Purity:≥98%

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 and storage:

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