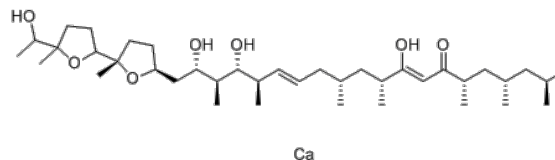


Product Name : Ionomycin calcium salt
Cat. No. : PC-62653
CAS No. : 56092-82-1
Molecular Formula : C₄₁H₇₀CaO₉
Molecular Weight : 747.07
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Ionomycin is an ionophore produced by the bacterium *Streptomyces conglobatus*, used in research to raise the intracellular level of calcium (Ca²⁺) and as a research tool to understand Ca²⁺ transport across biological membranes; also used to stimulate the intracellular production of the following cytokines; interferon, perforin, IL-2, and IL-4 - usually in conjunction with PMA.

References

- Gibbons E, et al. *Biochim Biophys Acta*. 2014 Oct;1838(10):2607-14.
Wang Y, et al. *Ann Hematol*. 2014 May;93(5):735-46.
Han S, et al. *PLoS One*. 2013 Oct 9;8(10):e76717.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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