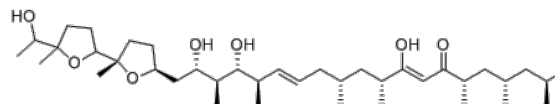


**Product Name** : Ionomycin  
**Cat. No.** : PC-62654  
**CAS No.** : 56092-81-0  
**Molecular Formula** : C<sub>41</sub>H<sub>72</sub>O<sub>9</sub>  
**Molecular Weight** : 709  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

Ionomycin is an ionophore produced by the bacterium *Streptomyces conglobatus*, used in research to raise the intracellular level of calcium (Ca<sup>2+</sup>) and as a research tool to understand Ca<sup>2+</sup> transport across biological membranes. Ionomycin 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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