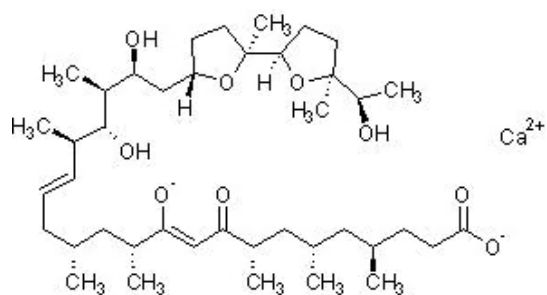


**Ionomycin calcium salt (CAS: 56092-82-1)****Catalog #: EBC51117****Biological Activity**

<b>Synonyms</b>	Ca <sup>2+</sup> ionophore, Ionomycin Ca <sup>2+</sup> Salt
<b>Chemical Name</b>	(4R,6S,8S,10Z,12R,14R,16E,18R,19R,20S,21S)-11,19,21-Trihydroxy-4,6,8,12,14,18,20-heptamethyl-22-[(2S,2'R,5S,5'S)-octahydro-5'-[(1R)-1-hydroxyethyl]-2,5'-dimethyl[2,2'-bifuran]-5-yl]-9-oxo-10,16-docosadienoic acid calcium salt
<b>Application</b>	Ionomycin calcium salt is a selective ionophore and an ion carrier for Ca <sup>2+</sup>
<b>CAS No.</b>	56092-82-1
<b>Purity</b>	≥98.0%
<b>Molecular Weight</b>	747.08
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>70</sub> CaO <sub>9</sub>
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20° C
<b>Target &amp; IC<sub>50</sub></b>	Calcium ionophore

**Molecular Structure****Solubility**

DMSO: 10 mg/mL (13.39 mM)

**PS:** < 1 mg/ml refers to the product insoluble**Description**

Ionomycin Calcium Salt 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.

**For Research Use Only. Not For Use In Diagnostic Procedures**

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