

[Open Peer Review on Qeios](#)

# Ionomycin

National Cancer Institute

## Source

National Cancer Institute. *Ionomycin*. NCI Thesaurus. Code C596.

A polyether antibiotic isolated from *Streptomyces conglobatus* sp. nov. Trejo with antineoplastic activity. Ionomycin is a calcium ionophore that increases intracellular  $\text{Ca}^{++}$  levels, possibly relating to endonuclease activation of lymphocytes and decreased ratio of Bcl-2 to Bax and ultimately apoptosis. In addition, this agent is used to investigate the role of intracellular calcium in cellular processes. (NCI)