

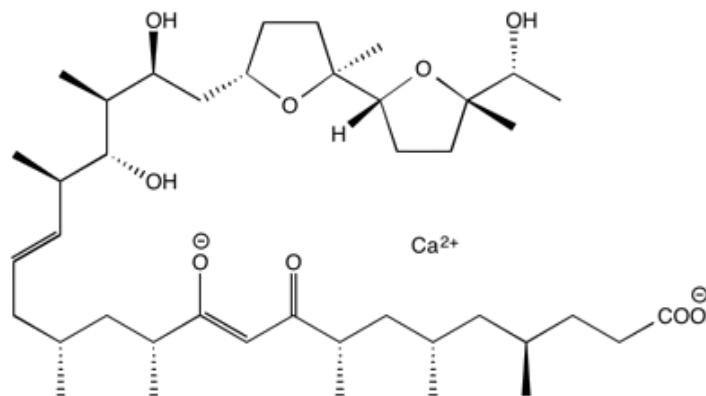
Catalog # 10-2078

Ionomycin Ca

CAS# 56092-82-1

Fermentation product from *Streptomyces conglobatus*

Lot # X101522



Ionomycin is a polyether antibiotic and calcium ionophore isolated from the bacterium *Streptomyces conglobatus*.^{1,2}

- 1) Liu et al. (1978), *Ionomycin, a new polyether antibiotic*; J. Antibiot., **31** 815
- 2) Liu and Hermann *et al.* (1978), *Characterization of ionomycin as a calcium ionophore*; J. Biol.Chem, **253** 5892

PHYSICAL DATA

Molecular Weight:	747.07
Molecular Formula:	C ₄₁ H ₇₀ O ₉ • Ca
Purity:	99% by TLC [20% CH ₃ OH in EtOAc] NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 30 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

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