Ionomycin (free acid)

Calcium ionophore

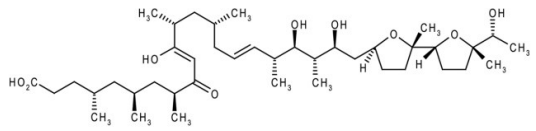
Potent and highly selective calcium ionophore. Ca^{2+}/ionomycin complex forms between pH 7-9.5 which has intense UV absorption. Induces apoptotic neuronal degeneration in embryonic cortical neurons and cell cycle arrest at G_1 phase. Useful tool for increasing intracellular Ca2+ concentration. More effective than A23187. Non fluorescent. Has been used at 4nM and 2-4µM (whole cells).

Citations: 32 View Online »

Ordering Information Order Online »

ALX-450-006-M001	1mg
ALX-450-006-M005	5mg

Manuals, SDS & CofA View Online »



Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions are stable for 1 year when stored at +4°C.
Handling	Protect from light. Keep under inert gas.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Waxy yellow to colorless material
CAS	56092-81-0
Formula	$C_{41}H_{72}O_9$
MW	709.0
Purity	≥90% (HPLC, TLC)
Solubility	Soluble in DMSO or methanol.
Source	Isolated from *Streptomyces conglobatus*.

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