

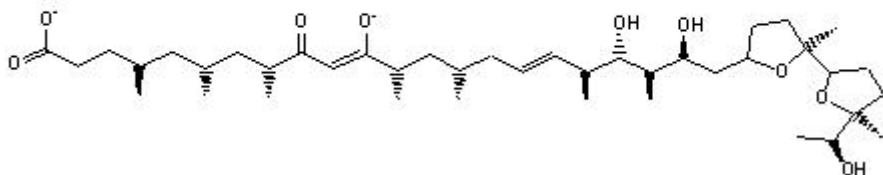
## TECHNICAL INFORMATION

Catalog Number: 159611

### lonomycin

Structure: free acid

Ca<sup>2+</sup>



**Molecular Formula:** C<sub>41</sub>H<sub>73</sub>O<sub>9</sub>

**Molecular Weight:** 709.0

**CAS #** 56092-81-0

**Physical Appearance:** Waxy solid

**Description:** Highly selective calcium ionophore. Useful tool for increasing intracellular Ca<sup>2+</sup> concentration .<sup>1,2</sup> More effective than A-23187. Non-fluorescent. Has been used at 3nM<sup>1</sup> and 2-4mM (whole cells) .<sup>3</sup>

**Source:** *Streptomyces conglobatus*

**Solubility:** Soluble in DMSO (25 mg/ml). Store solutions at -20°C for up to 3 months.

**References:**

- H.C.Lee et al., *J.Biol.Chem.* **268**, 293 (1993)
- A.Dupuy d'Angeac et al., *J.CellPhysiol.* **154**, 44 (1993)
- K.Brown et al., *Science* **267**, 1393 (1995)