

Caloxin 2A1 Biochemical

Caloxin 2A1

CATALOG #
AAA228656

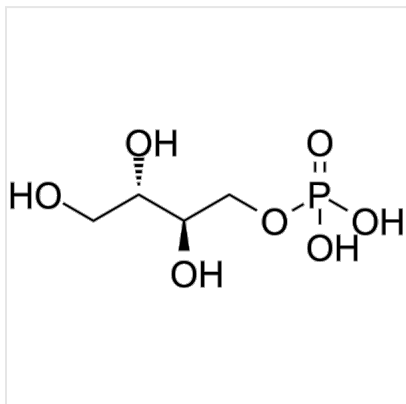
PRODUCT SYNONYMS

Caloxin 2A1; Caloxin 2A1 biochemical

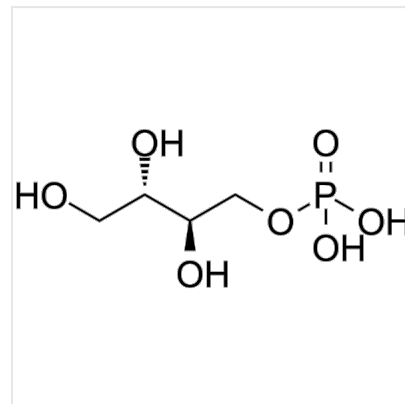
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	350670-85-8
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Caloxin 2A1 inhibits Ca ²⁺ -Mg ²⁺ -ATPase in human erythrocyte leaky ghosts, but it does not affect basal Mg ²⁺ -ATPase or Na ⁺ -K ⁺ -ATPase in the ghosts or Ca ²⁺ -Mg ²⁺ -ATPase in the skeletal muscle sarcoplasmic reticulum. Caloxin 2A1 also inhibits Ca ²⁺ -dependent formation of the 140-kDa acid-stable acylphosphate[1]. Caloxin 2A1 increases airway smooth muscle cells (ASMCs) apoptosis[2].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
D-Erythritol 4-phosphate, CAS 7183-41-7



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ADDITIONAL INFORMATION

Related Product Information for Caloxin 2A1 biochemical	Caloxin 2A1 is an extracellular plasma membrane Ca ²⁺ -ATPase (PMCA) peptide inhibitor. Caloxin 2A1 does not affect basal Mg ²⁺ -ATPase or Na ⁺ -K ⁺ -ATPase.
References	1. Distribution and structural form of phosphate ester groups in commercial starch phosphates

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.