# Sphingosylphosphorylch

## Induces release of $Ca^{2+}$ from intracellular stores

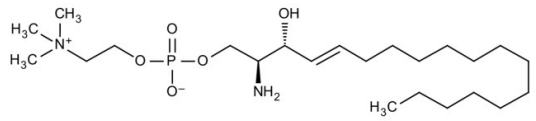
Sphingosylphosphorylcholine induces release of $Ca^{2+}$ from intracellular stores via an $IP_3$ independent pathway in permeabilized pancreatic acinar cells. It is an extremely potent mitogen in numerous cell types and induces neurite outgrowth in mouse neuroblastoma cells. It rapidly activates transcription factor AP-14 and transiently activates MAP kinase.

**Citations:** 6 View Online »

## Ordering Information Order Online »

| | |
|---|---|
| **BML-SL141-0010** | 10mg |

## Manuals, SDS & CofA View Online »


CH3
H3C
N+
H3C
O
O
P
O
O−
O
OH
NH2
H3C

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. |
| **Long Term Storage** | -20°C |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Appearance** | Waxy solid. |
| **CAS** | 82970-80-7 |
| **Couple Target** | MAPK |
| **Couple Type** | Activator |
| **Formula** | $C_{23}H_{49}N_2O_5P$ |
| **MW** | 464.6 |
| **Purity** | ≥98% (TLC) |
| **Solubility** | Soluble in Chloroform: Methanol (2:1). |

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