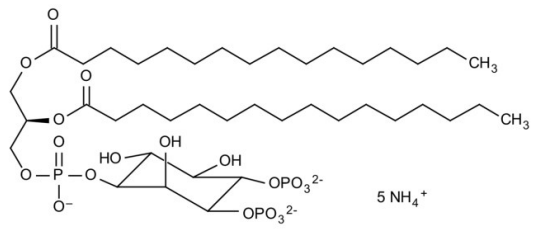
L-α-Phosphatidylinositol-3,4-P2

Activator of PKC and Akt

Activates Ca^{2+}-insensitive PKC isotypes δ, ε and η. Activates Akt/PKB by direct interaction with the Akt PH domain.

Citations: 3 View Online »

Manuals, SDS & CofA View Online »


O
O
CH3
O
O
CH3
O
O
P
O
O−
HO
OH
OH
OPO3 2-
OPO3 2-
5 NH4 +

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Hygroscopic.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White solid.
Couple Target	Akt, PKC
Couple Type	Activator
Formula	$C_{41}H_{76}O_{19}P_3 \cdot 5NH_4$
MW	966.0 . 90.2
Purity	≥98% (NMR)
Solubility	Soluble in chloroform/methanol/water, 50:50:10 (10mg/ml); not water soluble but resuspends, with vigorous vortexing, to ~0.5 mg/ml in water. See references for method of incorporation into mixed lipid vesicles by sonication, and for dissolving in a detergent-containing buffer.

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