

1,2-Dipalmitoylphosphatidylinositol 3,4-diphosphate sodium salt

Cat. No. CSUB-0476

Lot. No. (See product label)

Introduction

Synonyms 1, 2-Dipalmitoyl-L- α -phosphatidyl-D-myo-inositol 3, 4-bisphosphate sodium salt; 1-(1, 2-Dihexadecanoylphosphatidyl)inositol-3, 4-diphosphate sodium salt; Dipalmitoyl-L- α -phosphatidyl-D-myo-inositol 3, 4-bisphosphate sodium salt; Phosphatidylinositol-3, 4-diphosphate C-16 sodium salt

Product Information

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|--------------------------|---|
| Form | solid |
| Molecular Formula | C ₄₁ H ₈₁ O ₁₉ P ₃ · xNa ⁺ |
| Molecular Weight | 970.99 (free acid basis) |
| Substrates | Phospholipase C PI-specific |

Usage and Packaging

Preparation The product is soluble in aqueous detergent solutions. It forms a clear solution at 8 mg/ml in 50 mM HEPES buffer, pH 7.0, containing 5 mM EDTA and 16 mg/ml sodium deoxycholate. It is also soluble in a 3:2:1 mixture of chloroform:methanol:water at 10 mg/ml and will form an opaque suspension at 1 mg/ml in phosphate-buffered saline (PBS), pH 7.2. Aqueous solutions remain active for less than 24 hours.

Storage and Shipping Information

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|----------------------------|---------|
| Storage | -20°C |
| Shipping Conditions | wet ice |