1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{21}\text{H}_{40}\text{NaO}_{7}\text{P} \)

Batch Molecular Weight: 458.5

Physical Appearance: White solid

Solubility: phosphate buffered saline to 10 mM

Storage: Store at -20°C

Batch Molecular Structure:

2. ANALYTICAL DATA

Mass Spectrum: Consistent with structure
Product Name: 1-Oleoyl lysophosphatidic acid sodium salt
Catalog No.: 3854
Batch No.: 10

CAS Number: 325465-93-8
IUPAC Name: 1-O-9Z-Octadecenoyl-sn-glyceryl-3-phosphoric acid sodium salt

Description:
Endogenous agonist of the lysospholipid receptors LPA1 and LPA2. Inhibits differentiation of neural stem cells (NSCs) into neurons.

Physical and Chemical Properties:
Batch Molecular Formula: C_{21}H_{40}NaO_{7}P
Batch Molecular Weight: 458.5
Physical Appearance: White solid

Batch Molecular Structure:

Storage: Store at -20°C

Solubility & Usage Info:
phosphate buffered saline to 10 mM

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquotted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: