1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{42}\text{H}_{64}\text{NO}_{31}\text{P}_3 \)
   Batch Molecular Weight: 1171.87
   Physical Appearance: oil
   Solubility: Soluble in DMSO
   Storage: Store at -20°C

2. ANALYTICAL DATA

   HPLC: Shows 98% purity

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: ci-IP3/PM
CAS Number: 1009832-82-9
IUPAC Name: 6-O-[(4,5-Dimethoxy-2-nitrophenyl)methyl]-2,3-O-(1-methylethylidene)-D-myoinositol 1,4,5-tris[(1-oxopropoxy)methyl]phosphate

Description:
ci-IP3/PM is a caged inositol triphosphate. Cell permeable. UV photolysis (λ = 330 nm) in HeLa cells releases i-IP3, promoting Ca2+-release from internal stores. F 127 (Cat. No. 6253) for the solubilization of ci-IP3/PM is also available.

Physical and Chemical Properties:
Batch Molecular Formula: C42H64NO31P3
Batch Molecular Weight: 1171.87
Physical Appearance: oil
Minimum Purity: ≥98%

Storage: Store at -20°C

Solubility & Usage Info:
Soluble in DMSO

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 aliquoted 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: