Product Name: Biotin Hybrid-Phosphoinositides

Storage: Hybrid Phosphatidylinositol polyphosphates (PtdInsPₙₛ) and analogs are stable for at least one year when stored as a solid, protected from moisture, at -20 °C. Hybrid PtdInsPₙₛ should be stored in glass containers or low-binding polypropylene tubes to prevent material loss due to absorption to the vessel surface. Storage in basic solutions (pH > 9) will result in slow hydrolysis of the ester chains, and may cause phosphate or acyl migration to occur. Storage in acidic buffers (pH < 4) may cause decomposition or phosphate migration. After reconstitution, solutions of PtdInsPₙₛ should be flash frozen in liquid nitrogen and stored at -20 °C between uses. PtdInsPₙₛ are stable for at least three months when handled in this way. Repeated freeze/thaw cycles do not affect PtdInsPₙₛ. Do not store reconstituted PtdInsPₙₛ, at 4 °C for more than 2-3 days.

Reconstitution: Reconstitute with water or neutral pH, buffered salt solutions, i.e. PBS, TBS, etc. Hybrid PtdInsPₙₛ have very limited solubility in CHCl₃-MeOH and other organic solvents, and are not recommended for preparing phospholipid liposomes.

Suggested Use: Phosphoinositides and synthetic analogs are employed as substrates for kinases, phosphatases, and binding proteins as described in many publications. Other in vitro and cellular applications are possible, but have not been verified by Echelon Biosciences. Please check our web site, www.echelon-inc.com, for updated technical or product application information; or call our customer service department at 1-866-588-0455.
