



Lyophilized DOTAP/DOPC ATP Liposome, Rhod-lipid Labeled

Catalog: Lipo-222RG

PRODUCT INFORMATION

Name Lyophilized DOTAP/DOPC ATP Liposome, Rhod-lipid Labeled

Cat No. Lipo-222RG

Product Overview

The encapsulation of ATP in liposomes markedly promotes its effectiveness by preventing the hydrolysis by extracellular enzymes, increasing ATP circulation time and enhancing its intracellular penetration. ATP liposomes can be used in various models such as myocardial, liver, retina and wound healing ischemia. Studies have shown the ability of liposomal encapsulated ATP to prevent cell death and tissue dysfunction following ischemic events. The concentration of encapsulated ATP is 0.5 μ mol/vial.

Lipid Composition

DOTAP/DOPC/Rhod-PE (0.30/1.185/0.015 μ mol/vial) DOTAP: 1,2-dioleoyl-3-trimethylammonium-propane (chloride salt) DOPC: 1,2-dioleoyl-sn-glycero-3-phosphocholine Rhod PE: 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(lissamine rhodamine B sulfonyl) (ammonium salt) (Rhod PE)

Form Lyophilized Powder

Storage Buffer PBS, pH 7.4 with trehalose as lyoprotectant

Concentration Lipid Concentration 1.5 μ mol/vial

Stability 6 months

Storage -20°C
