



Lyophilized DOPG/DOPC/Chol ATP Liposome, NBD-lipid Labeled

Catalog: Lipo-204RG

PRODUCT INFORMATION

Name Lyophilized DOPG/DOPC/Chol ATP Liposome, NBD-lipid Labeled

Cat No. Lipo-204RG

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. Creative Biostructure could customize different DOPG/DOPC/Chol ratio to meet your requirements. We can also manufacture empty lyophilized liposomes (without ATP) for control with the same lipid composition as your desired.

Lipid Composition

DOPG/DOPC/CHOL/NBD-PE(0.9/0.15/0.435/0.015 μ mol/vial) DOPG: 1,2-dioleoyl-sn-glycero-3-phospho-(1'-rac-glycerol) (sodium salt) DOPC: 1,2-dioleoyl-sn-glycero-3-phosphocholine CHOL: Cholesterol NBD PE: 1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(7-nitro-2-1,3-benzoxadiazol-4-yl) (ammonium salt) (NBD 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