



# Lyophilized DOTAP/DOPC/CHOL/DSPE-mPEG2000 ATP Liposome, NBD-lipid Labeled

**Catalog: Lipo-246RG**

## PRODUCT INFORMATION

<b>Name</b>	Lyophilized DOTAP/DOPC/CHOL/DSPE-mPEG2000 ATP Liposome, NBD-lipid Labeled
<b>Cat No.</b>	Lipo-246RG
<b>Product Overview</b>	<p>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 0.5μmol/vial. Creative Biostructure could customize different DOTAP/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.</p>
<b>Lipid Composition</b>	<p>DOTAP/DOPC/CHOL/DSPE-mPEG2000/ NBD-PE (0.9/0.075/0.435/0.075/0.015 μmol/vial) DOTAP: 1,2-dioleoyl-3-trimethylammonium-propane (chloride 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) DSPE-mPEG2000: 1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethyleneglycol)-2000] (ammonium salt)/CAS: 474922-77-5</p>
<b>Form</b>	Lyophilized Powder
<b>Storage Buffer</b>	PBS, pH 7.4 with trehalose as lyoprotectant
<b>Concentration</b>	Lipid Concentration 1.5 μmol/vial
<b>Stability</b>	6 months
<b>Storage</b>	-20°C