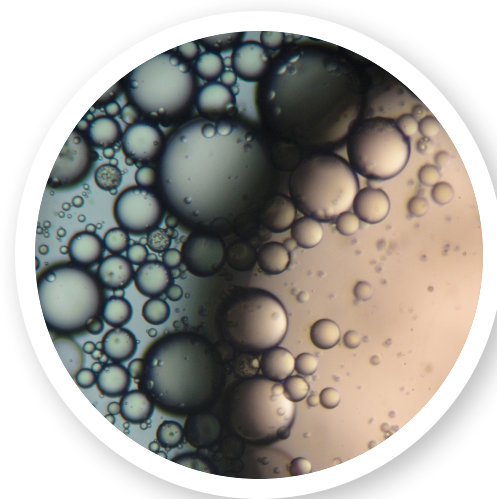




# Deuterated Phospholipids and Detergents

From FB Reagents



The study of structure, dynamics, and small-molecule binding properties of membrane proteins are of great interest within the field of structural biology and pharmaceutical drug development. The study of membrane proteins is made challenging because only certain phospholipids and detergents can be used to ensure the protein assumes the correct three-dimensional fold and remains active.

**Cambridge Isotope Laboratories, Inc. is proud to offer deuterated phospholipids and detergents manufactured by FB Reagents.** FB Reagents is a trusted source of high-quality deuterated phospholipids and detergents used in NMR-based scientific research.

The benefits of using highly deuterated phospholipids are:

- Simplification of <sup>1</sup>H-NMR spectrum
- Easier detection of signals from biomolecules in multidimensional NMR experiments
- Minimization of dipolar relaxation effects leads to signal enhancement in certain systems

Catalog No.	Description	Acronym	Unit Size
DLM-11085-0.1	1,2-Dihexanoyl- <i>sn</i> -glycero-3-phosphocholine (hexanoyl-D <sub>22</sub> , 97%; 50-60% on alpha carbons)	DH6PC-d22	100 mg
DLM-11092-0.1	1,2-Diheptanoyl- <i>sn</i> -glycero-3-phosphocholine (heptanoyl-D <sub>26</sub> , 97%; 50-60% on alpha carbons)	DH7PC-d26	100 mg
DLM-11093-0.1	1,2-Dimyristoyl- <i>sn</i> -glycero-3-phosphocholine (dimyristoyl-D <sub>54</sub> , 97%; 50-60% on alpha carbons)	DMPC-d54	100 mg
DLM-11094-0.1	1,2-Dipalmitoyl- <i>sn</i> -glycero-3-phosphocholine (dipalmitoyl-D <sub>62</sub> , 97%; 50-60% on alpha carbons)	DPPC-d62	100 mg
DLM-11095-0.05	1,2-Dioleoyl- <i>sn</i> -glycero-3-phosphocholine (dioleoyl-D <sub>64</sub> , 97%; 50-60% on alpha, vinyl carbons)	DOPC-d64	50 mg
DLM-11096-0.05	1-Palmitoyl-2-oleoyl- <i>sn</i> -glycero-3-phosphocholine (fatty acids-D <sub>63</sub> , 97%; 50-60% on alpha, vinyl carbons)	POPC-d63	50 mg
DLM-11097-0.1	1,2-Dimyristoyl- <i>sn</i> -glycero-3-phosphoglycerol, NH <sub>4</sub> <sup>+</sup> (dimyristoyl-D <sub>54</sub> , 97%; 50-60% on alpha carbons)	DMPG-d54	100 mg
DLM-11098-0.1	1,2-Dipalmitoyl- <i>sn</i> -glycero-3-phosphoethanolamine (dipalmitoyl-D <sub>62</sub> , 97%; 50-60% at alpha carbon)	DPPE-d62	100 mg
DLM-11099-0.05	1,2-Dipalmitoyl- <i>sn</i> -glycero-3-phosphoserine, NH <sub>4</sub> <sup>+</sup> (dipalmitoyl-D <sub>62</sub> , 97%; 50-60% on alpha carbons)	DPPS-d62	50 mg
DLM-11100-0.1	1-Myristoyl-2-lyso- <i>sn</i> -glycero-3-phosphoglycerol NH <sub>4</sub> <sup>+</sup> (myristoyl-D <sub>27</sub> , 97%; 50-60% at alpha carbon)	LMPG-d27	100 mg
DLM-11101-0.1	1-Palmitoyl-2-lyso- <i>sn</i> -glycero-3-phosphoglycerol NH <sub>4</sub> <sup>+</sup> (palmitoyl-D <sub>31</sub> , 97%; 50-60% at alpha carbon)	LPPG-d31	100 mg
DLM-11102-0.1	Lauryl- <i>N,N</i> -dimethylamine- <i>N</i> -oxide (lauryl-D <sub>25</sub> ; dimethylamine-D <sub>6</sub> , 97%)	LDAO-d31	100 mg
DLM-11103-0.1	Dodecyl-β-D-maltopyranoside (dodecyl-D <sub>25</sub> , 97%)	DDM-d25	100 mg
DLM-11104-0.1	Decanoyl- <i>rac</i> -glycerol (decanoyl-D <sub>19</sub> , glycerol-D <sub>5</sub> , 97%; 50-60% on alpha carbon)	10-MAG-d24	100 mg
DLM-11105-0.1	L-α-Glycerophosphocholine (methyl-D <sub>9</sub> , 97%)	GPC-d9	100 mg

We are unable to ship FB Reagent products to Sweden, Norway, Finland, and Japan.  
Larger package sizes are available and may qualify for a discounted price.

Chemical purity (CP) is 98% or greater, unless otherwise indicated. For research use only. Not for use in diagnostic procedures.

**Cambridge Isotope Laboratories, Inc.**

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