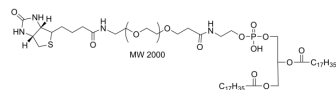


## Phospholipid-PEG-Biotin (MW 2000)

<b>Cat. No.:</b>	HY-147207A
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Phospholipid-PEG-Biotin (MW 2000) is a Biotin labeled phospholipid PEG derivative, can be used for modify liposome and cells surface, and pancreatic islets for cell transplantation. Phospholipid is a class of lipid containing a hydrophilic “head” and two hydrophobic “tails”; PEG is a hydrophilic and water-soluble polymer with low toxicity; Biotin is an enzyme co-factor, can be used for labeling protein <sup>[1]</sup> .
<b>In Vitro</b>	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Teramura Y, et al. Influence of molecular weight of PEG chain on interaction between streptavidin and biotin-PEG-conjugated phospholipids studied with QCM-D. *Acta Biomater.* 2016 Jan;30:135-143.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA