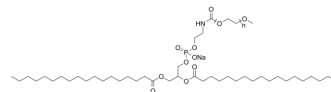


## MPEG-2000-DSPE sodium

<b>Cat. No.:</b>	HY-139385A
<b>Molecular Formula:</b>	C <sub>45</sub> H <sub>87</sub> NNaO <sub>11</sub> P
<b>Target:</b>	Parasite
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

MPEG-2000-DSPE sodium is a phospholipid PEG conjugate, has both hydrophilicity and hydrophobicity. MPEG-2000-DSPE sodium is used in the synthesis of liposomes, increases the hydrophilicity on the surface of liposomes, consequently increasing the longevity of liposomes in the blood circulation for the study of anticancer and antimalarial agents<sup>[1][2]</sup>.

### REFERENCES

[1]. Rathore SS, et al. Effect of surface charge and density of distearylphosphatidylethanolamine-mPEG-2000 (DSPE-mPEG-2000) on the cytotoxicity of liposome-entrapped ricin: effect of lysosomotropic agents. *Int J Pharm.* 2008;350(1-2):79-94.

[2]. Hasan GM, et al. Inhibition of the Growth of *Plasmodium falciparum* in Culture by Stearylamine-Phosphatidylcholine Liposomes. *J Parasitol Res.* 2011;2011:120462.

**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