

REFERENCES

- Armandodoriano B., Bonadies F., Napolitano R., Ortaggi G. Improved synthesis of DC-Chol, a cationic lipid for gene therapy. *C. R. Chimie*. 2003; 6: 613–615.
- Avanti Polar Lipids, USA. “Information of DDAB” [online]. Available: <http://www.avantilipids.com/> (2008, September 2).
- Bieong K.K., Doh K., Nam J.H., Kang H., Park J., Moon I., Seu Y. Synthesis of novel cholesterol-based cationic lipids for gene delivery. *Bioorganic & Medicinal Chemistry Letters*. 2009; 19: 2986–2989.
- Biotech. “Schematic drawings of a liposome” [online]. Available: [http://www.biotech.ubc.ca/Bio-industry/Inex/\(2008, September 2\).](http://www.biotech.ubc.ca/Bio-industry/Inex/(2008, September 2).)
- Bottega R., Epand R.M. Inhibition of protein kinase C by cationic amphiphiles. *Biochemistry*. 1992; 31: 9025-9030.
- Bruce L.A., Susanna P., Metabolism of a neurotensin (8-13) analog by intestinal and nasal enzymes and approaches to stabilize this peptide at these absorption sites. *Int. J. Pharm.* 1993; 117: 95-100.
- Dailymed Co., USA., “The structure of insulin” [online]. Available: <http://www.dailymed.nlm.nih.gov/dailymed/drugInfo.cfm> (2007, July 23)
- Damage C., Hillaire-buys D., Puech R., Hoeltzel A., Michel C., Ribes G. Effects of orally administered insulin nanocapsuled in normal and diabetic dogs. *Diabetes. Metab.* 1995; 8: 3-9.

- Hongtao L., Shubiao Z., Bing W., Shaohui C., Jie Y. Toxicity of cationic lipids and cationic polymers in gene delivery. *Journal of Controlled Release*. 2006; 114: 100-109.
- Huang Y., Wang C. Pulmonary delivery of insulin by liposomal carriers. *Journal of Controlled Release*. 2006; 113: 9-14.
- Iwanaga K., Ono S., Narioka K., Morimoto K., Kakemi M., Yamashita S., Nango M., Oku N. Oral delivery of insulin by using surface coating liposomes: Improvement of stability of insulin in GI tract. *International Journal of Pharmaceutics*. 1997; 157: 73-80.
- Iwanuma Y., Egilmez N. K., Richard B. Bankert Evaluation and Optimization of Different Cationic Liposome Formulations for *VivoGene* Transfer. *Biochemical and Biophysical Research Communications*. 1996; 221: 169-173.
- Jemkin P.G., Howard K.A., Blackhall N.W., Thomas N.W., Davis S.S., O'Hagan D.T. Microparticulate absorption from the rat intestine. *J. Control Release*. 1994; 29: 339-350.
- Kikuchi H., Suzuki N., Ebihara K., Morita H., Ishii Y., Kikuchi A., Sugaya S., Serikawa T., Tanaka K. Gene delivery using liposome technology. *J. Control. Release*. 1999; 62: 269-277.
- Lasch J., Weissig V., Brandl M. "Preparation of liposomes" in *Liposome* 2nd ed. Oxford university press. 1999: 4-5.
- Lee R.J., Huang L. Lipid vector systems for gene transfer. *Crit. Rev. Therap. Drug Carrier Syst.* 1997; 14: 173-206.
- Manosroi A., Kongkaneramt L., Manosroi J. Stability and transdermal absorption of topical amphotericin B liposome formulations. *Int J Pharm.* 2004; 270: 279-286.

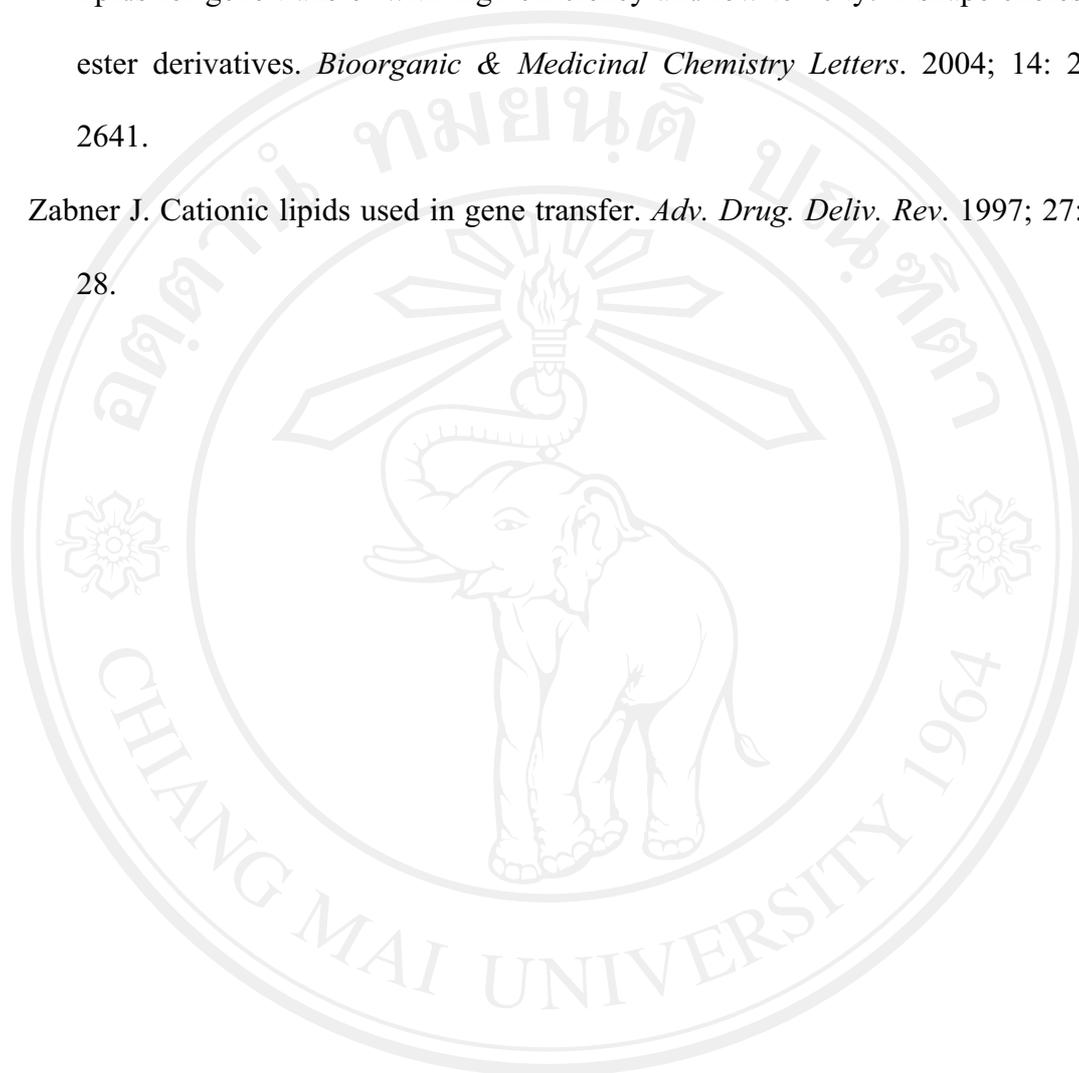
- Manosroi A., Thathang K., Werner G. R., Schubert R., Manosroi J. Stability of luciferase plasmid entrapped in cationic bilayer vesicles. *Int. J.Pharm.* 2008b; 356: 291-299.
- Manosroi A., Wongtrakul P., Manosroi J., Midorikawa U., Hanyu Y., Yuasa M., Sugawara F., Sakai H., Abe M. The entrapment of kojic oleate in bilayer vesicles, *Int J Pharm.* 2005; 298: 13-25.
- Manosroi A., Wongtrakul P., Manosroi J., Sakai H., Sugawara F., Yuasa M., Abe M. Characterization of vesicles prepared with various non-ionic surfactants mixed with cholesterol. *Colloid Surface B.* 2003; 30: 129–138.
- Manosroi J., Sripalakit P., Manosroi A. Biotransformation of chlormadinone acetate to delmadinone acetate by free and immobilized *Arthrobacter simplex* ATCC 6946 and *Bacillus sphaericus* ATCC 13805. *Enzyme and Microbial Technology.* 2003; 33: 320-325.
- Manosroi A., Chutoprapat R., Abe M., Manosroi J. Characteristics of niosomes prepared by supercritical carbon dioxide (scCO₂) fluid. *Int. J.Pharm.* 2008; 352 : 248-255.
- Manosroi A., Panyosak A., Rojanasakul Y., Manosroi J. Characteristics and anti-proliferative activity of azelaic acid and its derivatives entrapped in bilayer vesicles in cancer cell lines. *J. Drug. Target.* 2007a; 15(5) : 334 – 341.
- Martin B., Sainlos M., Aissaoui A., Oudrhiri N., Hauchecorne M., Vigneron J. P., Lehn J.M., Lehn P. 2005. The Design of Cationic Lipids for Gene Delivery. *Curr. Pharm. Design.* 2005; 11: 375-394.

- Michel C., Aprehamian M., Defontaine L., Couvreur P., Damae C. The effect of site of administration in the gastrointestinal tract on the absorption of insulin from nanocapsules in diabetic rats. *J. Pharm. Pharmacol.* 1991; 43: 1-5.
- Miguel A., Castanho R.B., Nuno C., Santos S., Luís M. S. Separating the turbidity spectra of vesicles from the absorption spectra of membrane probes and other chromophores. *Eur Biophys J.* 1997; 26: 253-259.
- Morille M., Passirani C., Vonarbourg A., Clavreul A., Benoit J.P. Progress in developing cationic vectors for non-viral systemic gene therapy against cancer. *Biomaterials.* 2008; 29: 3477–3496.
- Morishita M., Morichita I., Takayama K., Machida Y., Nagai T. Site-dependent effect of aprotinin, sodium caprate, Na₂EDTA and sodium glycocholate on intestinal absorption of insulin. *Biol. Pharm. Bull.* 1993; 16: 68-73.
- Neises B., Steglich W. Simple Method for the Esterification of Carboxylic Acids. *Chem. Int. Ed.* 1978; 17: 522-524.
- Rajkumar S., Arabinda C. Single additional methylene group in the head-group region imparts high gene transfer efficacy to a transfection-incompetent cationic lipid. *FEBS Letters.* 2004; 556: 86-90.
- Rolland A.P. From genes to gene medicines: recent advances in nonviral gene delivery. *Crit. Rev. Ther. Drug Carrier Syst.* 1998; 15: 143–198.
- Schatzlein A.G. Non-viral vectors in cancer gene therapy: principles and progress. *Anticancer Drugs.* 2001; 12: 275–304.
- Senior J.H., Trimble K.R., Maskiewicz R. Interaction of positively-charged liposomes with blood: implications for their application in vivo. *Biochim Biophys Acta.* 1991; 1070(1):173-9.

- Sentein C., Guizard B., Giraud S., Yé C., Ténégal F. Dispersion and stability of TiO₂ nanoparticles synthesized by laser pyrolysis in aqueous suspensions. *Journal of Physics: Conference Series*. 2009; 170: 12-13.
- Shaheen S.M., Ahmed F.R.s., Hossen M.N., Ahmed M., Amran M.S., Islam M.A. Liposome as a Carrier for Advanced Drug Delivery. *Pakistan Journal of Biological Sciences*. 2006; 9 (6): 11 81-1 191.
- Shriniwas G., Nerurkar N., Kanwal K., Gambhir. Insulin degradation by human Erytracyle lysates. *CLIN Chem*. 1981; 27(4): 607-609.
- Sigma Aldrich Co., USA. "The structure of cholesterol" [online]. Available: [http://www.sigmaaldrich.com/catalog/ProductDetail/\(2007,September 2\)](http://www.sigmaaldrich.com/catalog/ProductDetail/(2007,September2)).
- Sigma Aldrich Co., USA. "The structure of trimethylglycine hydrochloride" [online]. Available: [http://www.sigmaaldrich.com/catalog/ProductDetail/\(2007,September 2\)](http://www.sigmaaldrich.com/catalog/ProductDetail/(2007,September2)).
- Sorgi F. L., Huang L. Large scale production of DC-Chol cationic liposomes by microfluidization. *International Journal of Pharmaceutics*. 1996; 144: 131-139.
- Spangler R.S. Insulin administration via liposomes. *Diabetes Care*. 1990; 13: 911-922.
- Sullivan S., Gong Y., Hughes J. "Cationic liposomes in gene delivery" in Liposome 2nd ed. Oxford university press. 2003: 289-310.
- Tan R., Guisheng Z., Feng L., Dexi L. Synthesis and Evaluation of Vitamin D-Based Cationic Lipids for Gene Delivery In Vitro, *Bioorganic & Medicinal Chemistry Letter*. 2000; 10: 891-894.
- Weiner A.L. Lipid-based vehicles for peptide and protein drugs. Part II: manufacturing variables. *Biopharm*. 1990; 3: 16-21.

Yan L., Heebeom K., Yong-beom L., Youngeun L., Heejung M., Jong S. New cationic lipids for gene transfer with high efficiency and low toxicity: T-shape cholesterol ester derivatives. *Bioorganic & Medicinal Chemistry Letters*. 2004; 14: 2637-2641.

Zabner J. Cationic lipids used in gene transfer. *Adv. Drug. Deliv. Rev.* 1997; 27: 17-28.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved