

## REFERENCE LIST SHARK LIVER OIL

### GENERAL

Ahrne, L., Bjorck, L., Raznikewicz, T., Claesson, O.: **Glycerol ether in colostrum and milk from cow, goat, pig and sheep.** J Dairy Sci, 63:741-745, 1980.

Arturson, G., Lindback, M.: **Experiments on the effect of batyl alcohol on the number of erythrocytes and reticulocytes in white mice.** Acta Soc Med Upsalien, 56, 19. 1951.

Bergstrom, S., Blomstrand, R.: **The intestinal absorption and metabolism of chimyl alcohol in the rat.** Acta Physiol Scand; 38:166, 1956.

Blomstrand, R., Ahrens, E.J. Jr.: **Absorption of chimyl alcohol in man.** Proc Soc Exp Biol Med; 100:802-5, 1959.

Blomstrand, R.: **Digestion, absorption and metabolism of chimyl alcohol feed as free alcohol or asalkyloxydiglyceride.** Proc Soc Exp Biol Med; 102:662-5, 1959.

Bodman, J., Maisin, J.H.: **The a-glyceryl ethers.** Clin Chem Acta; 3: 253, 1958.

Brohult, A.: **Alkylglycerols as growth-stimulating substances.** Nature 188:591-592, 1960.

Davies, G.G., Heilbron, I.M., Owens, W.M.: **The unsaponifiable matter from the oils of elasmobranch fish. Part 7. The synthesis of a-glycerol ethers and its bearing of the structure of batyl, selachyl and chimyl alcohols.** J Chem Soc; 2542, 1930.

Hallgren, B., Larsson, S.: **The glycerol ethers in the liver oils of elasmobranch fish.** Lipid Res; 3:31-8, 1962.

Hallgren, B., Larsson, S.: **The glycerol ethers in man and cow.** Lipid Res; 3, 39-43, 1962.

Hallgren, B., Niclasson, A., Stallberg, G., Thorin, H.: **On the occurrence of 1-0-alkylglycerols and 1-0 (2-methoxy alkyl) glycerols in human colostrum, human milk, cow's milk, sheep's milk, human red bone marrow, red cells blood plasma and uterine carcinoma.** Acta Chem Scand; B28:1029-34, 1974.

Hallgren, B. **Therapeutic effects of ether lipids.** In: Ether lipids (eds Mangold HK and Paltauf F) pp261-275. Academic Press, New York, 1983.

Hallgren, B., Stallberg, G., Boeryd, B.: **Occurrence, synthesis and biological effect of methoxysubstituted ethers.** Progress in Chemistry of Fats and other Lipids; 16:45, 1978.

Hanahan, D.J., Munder, P.G., Satuooshi, K., McManus, L., Pinckard, R.N.: **Potent platelet-stimulating activity of enantiomers of acetylglyceryl ether phosphorylcholine and its methoxy analogues.** Biochem Biophys Res Commun; 1: 183-8, 1981.

Holmberg, I., Mysen, G., Persson, G.: **Component lipids of some food raw materials.** Sixth Congress of the Intern Soc for Fat Research, London, 1962.

Holmes, H.N., Corbet, R.E., Geiger, W.B., et al.: **The isolation and identification of batyl alcohol and cholesterol from yellow bone marrow.** J Amer Chem Soc, 63:2:2607, 1941.

Horrocks, L.A.: **Composition and metabolism of mammalian lipids that contain ether groups.** Snyder F (ed) Ether Lipids, Academic Press, New York, 177-272, 1972.

Linman, J.W.: **Hemopoietic effects of glyceryl ethers. Inactivity of selachyl alcohol.** Proc Soc Exp Biol Med, 104:703-706, 1972.

Mulik, N., Tosaki, A., Engelman, R.M., Cordis, G.A., Das, D.K.: **Myocardial salvage by 1-O-hexadecyl-sn-glycerol: possible role of peroxisomal dysfunction in ischemia reperfusion injury.** J Cardiovas Pharmacol, 24:486-492, 1994.

Oh, S. Y., Jadimy, L.S.: **Effects of dietary alkylglycerols in lactating rats on immune responses in pups.** Department of Dietetics and Nutrition, University of Kansas Medical Center, Kansas City, 66103. Pediate Res (United States) Sep1994.36 (3) p. 300-5.

Osmond, D.G., et al.: **The Action of Batyl Alcohol and Selachyl Alcohol on the Bone Marrow of the Guinea Pig.** Acta Hematol.

Quie, P.G.: **Antimicrobial defenses in the neonate.** Semin Perinatol, 14: 2-9, 1990.

Sandler, O.E.: **Some experimental studies on the erythropoietic effects of yellow bone marrow extracts and batyl alcohol.** Acta Med Scand, suppl 225:133. 1949.

Spener, F.: **Ether lipids in clinical diagnosis and medical research.** In Ether Lipids (eds Mangold HK and Paltauf FP) New York: Academica Press, 239-259, 1983.

Tsujimoto, M., Toyama, Y.: **Über die Unverseifbaren Bestandteile (höheren Alkohole) der Haifisch und Rochenleberole.** I. Chemische Umschau, XXIX, 27-29, 1922.

Tsujimoto, M., Toyama, Y.: **The liver oils from elasmobranch fish.** J Soc Chem Ind. 51:317, 1932.

Villee, C.A.: **Shark Oil and Medicine.** N Engl J Med, 282:1265-6, 1970.

### BIOLOGICAL EFFECTS

Adams, D.O., Hamilton, T.A.: **The cell biology of macrophage activation.** Annu Rev Immunol 2:283-316, 1984.

Ahrne, L., Bjorck, L., Claesson, O.: **Incorporation of dietary 1-O-alkyldiacyl glycerols into tissue lipids of neonatal rats.** Ann Nutr Metab, 26:162-170, 1982.

Berridge, M.J.: **Inositol triphosphate and diacylglycerol as second messengers.** Biochem J, 220:175-8; 1984.

Blank, M.L., Lee, T.C., Fitzgerald, V., Snyder, F.: **A specific acetylhydrolase for 1-alkyl-2-acetyl-sn-glycero-3-phosphocholine ( a hypotensive and platelet-activating lipid)** J Biol Chem 256:175-8; 1981.

Daniel, L. W., Small, G. W., Schmitt, J.D.: **Alkyl-linked diglycerides inhibit protein kinase C activation by diacylglycerols.** Biochem Biophys Res Commun, 151:291-7. 1988.

Das, A., Holmes, R., Wilson, G., Hajra, A.: **Dietary ether lipids incorporation into tissue plasmalogens of humans and rodents.** Lipids, 27. 401-405, 1992.

Demopoulos, C.A., Pinkard, R.N., Hanahan, D.J.: **Platelet-activating factor. Evidence for 1-O-alkylglyceryl-3-phosphorylcholine as the active component (a new class of lipid chemical mediators).** J Biol Chem, 254:9355-9358; 1979.

Grosman, N.: **Effects of the ether phospholipid AMG-PC on mast cells are similar to that of the ether lipid AMG but different from that of the analogue hexadecylphosphocholine.** Department of Pharmacology, University of Copenhagen, Den. Immunopharmacology (Netherlands) Jul-Aug, 22 (I) p. 39-47; 1991.

Holab, B.J., Philbrick, D.J., Parbtani, A., Clark, W.F.: **Dietary lipid modification of renal disorders and ether phospholipid metabolism.** Department of Nutritional Sciences, University of Guelph. Ont, Canada. Biochem Cell Biol (Canada), 69 (7) p. 185-9; Jul 1991.

- Kloprogge, E., Akkerman, N.: **Binding kinetics of PAF-aether (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) in intact human platelets.** *Biochem J*, 223:901-9. 1984.
- LeBlanc, K., Samuelsson, J., Brohult, J., Berg, A., Palblad, J.: **1-O-hexadecyl-2-methoxy-glycero-3-phosphocholine – a methoxy ether lipid inhibiting platelet activating factor-induced platelet aggregation and neutrophil oxidative metabolism.** *Biochem Pharm.* Vol 49, No 11, p. 1577-1582; 1995.
- Lee, T.C., Snyder, F.: **Function, metabolism, and regulation of platelet activating factor and related ether lipids.** In "**Phospholipids and Cellular Regulation**". edited by J.F. Kuo CRC Press, Boca Raton, FL, p.1-39; 1993.
- Lewis, J.C., O'Flaherty, J.T., McCall, C.E., Wykle, R.L., Bond, M.G.: **Platelet-activating factor effects on pulmonary ultra structure in rabbits.** *Exp. Mol. Pathol*, 38:100-108; 1983.
- Lohmeyer, M., Workman, P.: **The role of intracellular free calcium mobilization in mechanism of action of antitumor ether lipids SRI 62-834 and ET -18-0ME.** *Biochem Pharmacol.* 45:77-85; 1993.
- Mangold, H.K., Paltauf, F. (eds): **Ether lipids.** Academic Press. New York, 1983.
- Mangold, H.K.: **In Ether Lipids: Chemistry and Biology.** (FL Snyder ed) pp 157-176, Academic Press, New York, 1972.
- McManus, L.M.: **Pathobiology of platelet-activating factor.** *Pathol. Immunopathol Res.*, 5:1 04- 117; 1986.
- McNeely, T.B., Rosen, G., Londner, M. V., Turco, S.J.: **Inhibitory effects on protein kinase C activity by lipophosphoglycan fragments and glycosylphosphatidylinositol antigens of the protozoan parasite.** *Leishmania*, *Biochem J.* 259:601-604; 1989.
- Mueller H.W., O'Flaherty, J.T., Greene, D.G., Samuel, M.P., Wykle, R.L.: **1-O-alkyl-linked glycerophosphorolipids of human neutrophils: distribution of arachidonate and other acyl residues in the ether-linked and diacyl species.** *J Lipid Res*, 25:383-88; 1984.
- Nishizuka, Y.: **Turnover of inositol phospholipids and signal transduction.** *Science*, 225:1365-1370; 1984.
- O'Flaherty, F.A, Walsh, R.I.: **Biology and biochemistry of platelet-activating factor.** *Clin Rev Allergy*, 1:353-367; 1983.

- O'Rourke, F.A., Halenda, S.P., Zavoico, G.B., Feinstein, M.B.: **Inositol 1, 4, 5-triphosphate releases Ca<sup>2+</sup> from a Ca<sup>2+</sup> transporting membrane vesicle fraction derived from human platelets.** J Biol Chem 260:956-962; 1985.
- Paltauf, F.: **Metabolism of enantiometric 1-O-alkylglycerols ethers in the rat intestinal mucosa in vivo; incorporation into 1-O-alkyl and 1-O-alkyl-1-enyl glycerols lipids.** Biochem Biophys Acta, 239:38-46; 1971.
- Pinckard, R.N.: **Platelet activating factor.** In "Allergy", edited by A.P. Kaplan. Churchill Livingstone, New York, p.165-74; 1985.
- Pinckard, R.N., Prihoda, T.J.: **Alkyl-PAF and acyl-PAF human neutrophil priming for enhanced fMLP and rC5a-induced superoxide anion production.** J Leukocyte Biol, 59:219; 1996.
- Robinson, M., Burdine, R., Wayne, T.R.: **Inhibition of phorbol ester-stimulated arachidonic acid release by alkylglycerols.** Biochem Biophys Acta (Netherlands), 1254 p. 361-7; Feb 1995.
- Renesto, P., Vicart, P., Paulin, D., Chingard, M.: **Protective effect of platelet activating factor antagonists on cultured endothelial cell lysis induced by elastase or activated neutrophils.** Brit J Pharmacol, Vol. 117, No. 5; March 1996.
- Schlondorff, D., Neuwirth, R.: **Platelet-activating factor and the kidney.** Am. J. Physiol., 251:F1-F1 I.
- Serhan, C.N., Haggstrom, J.Z., Leslie, C.C.: **Lipid mediator networks in cell signaling: update and impact of cytokines.** The FASEB Journal, 10:1147-1158;
- Surette, M.E., Winkler, J.D., Fonteh, A.N., Chilton, F.R.: **Relationship between arachidonatephospholipid remodeling and adoptosis.** Biochemistry, 35:9187-9196; 1996.
- Wardlow, M.I., Cox, C.P., Meng, K.E., Greene, D.E., Farr, R.S.: **Substrate specificity and partial characterization of the PAF-acylhydrolase in human serum that rapidly inactivates platelet activating factor.** J Immunol, 136:3441-6; 1986.
- Warne, T.R., Buchanan, F.G., Robinson, M.: **Growth-dependent accumulation of monoalkylglycerols in the Madin-Darby canine kidney cells.** J Biol Chem. 19:11147-11154; 1995.
- Weber, N.: **Metabolism of orally administered rac-1-0-(1-C14) dodecylglycerol and nutritional effect of dietary rac-1-0-dodecylglycerol in mice.** J Lipid Res, 26:1412-20; 1985.

Weidemann, G.: **Studies on the chemical nature of the unsaponifiable fraction of fish oil.** Biochem J, 20:685; 1926.

Weltzien, H.U., Munder, P.G.: In "**Ether Lipids Biochemical and Biomedical Aspects**". (Mangold, H.K., and Paltauf, F., eds) Academic Press, New York, pp.277-308, 1983.

Wykle, R.L., Olson, S.C., O'Flaherty, J.T.: **Biochemical pathways of platelet activating factor synthesis and breakdown.** Adv. Inflamm Res, 11:71-81; 1986.

## CANCER

Ahmad, I., Filep, J.J., Franklin, C., Janoff, A., et al.: **Effects of ether lipids liposomes against mouse tumors and human tumor xenografts.** Proc of the American Assoc. for Cancer Research, Vol. 37; March 1996.

Andreesen, R.: **Ether lipids in the therapy of cancer.** Prog Biochem Pharmacol, 22:118-131; 1988.

Andreesen, R., Modolell, M., Weltzien, H.U., et al: **Selective destruction of human leukemia cells by alkylphospholipids in relation to O-alkyl cleavage enzyme activities.** Cancer Research, 38:3894-9; 1978.

Baumann, W.J. (ed): **Ether lipids in oncology.** American Oil Chemists Society Press. Champaign, IL, 1987.

Baumann, W.J. (ed): **First International Symposium on Ether Lipids in Oncology.** Göttingen, 1986. Lipids, 22:775-980; 1987.

Berdel, W.E., Andreesen, R., Munder, P.G.: **Synthetic alkylphospholipid analogs: A new class of antitumor antigens. In: Kuo, Phospholipids and cellular regulation.** Vol. 2, pp. 42-73 (CRC Press, Boca Raton) 1985.

Berdel, W.E., Bausert, W.R., Fink, U., Rastetter, J.: **Anti-tumor action of alkyllysophospholipids (Review).** Anticancer Res (Greece), 1 (6) P 315, 52; 1981.

Berdel, W.E., Bausert, W.R., Weltzien, H.V., et al: **The influence of alkyllysophospholipids and lysophospholipid activated macrophages on the development of metastases of 3-Lewis lung carcinoma.** Europ J Cancer, 16:pp. 119-1204; 1980.

Berdel, W.E., Fink, U., Egger, B., Reichert, A. et al: **Growth inhibition of malignant hypernephroma cells by autologous lysophospholipid incubated macrophages obtained by a new method.** Anticancer Research, 1:135-140; 1980.

Berdel, W.E., Fink, U., Egger, B., Reichert, A., et al: **Alkyl-lysophospholipids Inhibit the Growth of Hypernephroid Carcinomas in Vitro.** J Cancer Res Clin Oncol, 101:325-330; 1981.

Berdel, W.E., Fink, U., Thiel, E., Stinkel, K., et al: **Inhibition by alkyl-lysophospholipids of tritiated thymidine uptake in cells of human's malignant urologic tumors.** J Natl Cancer Inst., 66:813; 1982.

Berdel, W.E., Schlehe, R., Fink, U., Emmerich, B., et al: **Early tumor and leukemia response to alkyl-lysophospholipids in phase-I-study.** Cancer; 50: 2011-2015; 1982.

Berdel, W.E., Von Hoff, D.D., Unger, C., et al: **Ether lipids derivatives: antineoplastic activity in vitro and the structure-activity relationship.** Lipids, 21:301-4; 1986.

Berdel, W.E.: **Antineoplastic activity of synthetic lysophospholipid analogs.** Blut, 44:71-78; 1982.

Berengere-Claire, R.: **Les alkoxyglycerols et leurs utilization dans les traitements par irradiation des Cancers.** These. Universite de Montpellier I. Octobre 1991.

Boeryd, B., Hallgren, B.: **The influence of the lipid compositions of the feed given to mice on the immunocompetence and tumor resistance of the progeny.** Int J Cancer, 26:241-246; 1980.

Boeryd, B., Hallgren, B.: **The fat composition of a mouse diet modifies the effects of levamisole on growth and spread of a murine tumor.** Acta Path Microbiol Immunol Scand. 93:99-103; 1985.

Boeryd, B., Hallgren, B., Stallbeep, G.: **Studies on the effect of methoxy-substituted glycerol ethers on tumor growth and metastasis formation.** Br J Exp Pathol 52 (19th): 221-230.

Brachwitz, H., Longen, P., Arndt, D., Fichtner, I.: **Cystatic activity of synthetic O-alkylglycerolipids.** Lipids. 22:897-903. 1987.

Brohult, A., Brohult, J., Brohult, S., Joelsson, I.: **Do alkylglycerols in cell membrane stop tumor growth?** 3<sup>rd</sup> International Conference on Surface and Colloid Science. Stockholm. August. 1979.

Brohult, A., Brohult, J., Brohult, S., Joelsson, I.: **Reduced mortality in cancer patients after administration of alkylglycerols.** Acta Obstet Gynecol Scand. 65:779-85; 1986.

- Brohult, A., Brohult, J., Brohult, S.: **Biochemical effects of alkylglycerols and their use in cancer therapy.** Acta Chem Scand. 24:730; 1970.
- Brohult, A., Brohult, J., Brohult, S.: **Regression of tumor growth after administration of alkylglycerols.** Acta Obstet -Gynecol Scand, 57:79; 1978.
- Daniel, L.W., Latkin, L.A., Morrison, B.T., Parker, J. et al: **Ether lipids inhibit the effects of phorbol diester tumor promoters.** Department of Biochemistry. Bowman Gray School of Medicine of Wake Forest University, Winston-Salem. North Carolina 27103. Lipids (United States), 22 (11) p. 851-5; Nov 1987.
- Diomede, L., Provani, B., Modest, E.J., Nosedà, A., et al: **Increased ether lipid cytotoxicity by reducing membrane cholesterol content.** Istituto di Ricerche Farmacologiche, Mario Negri, Milan, Italy, Int J Cancer (United States), 49 (3) p.409-13; Sep 30. 1991.
- Fleer, E.A.M., Under, C., Kim, D.J., Eibl, H.: **Metabolism of (ether)-phospholipids and of analogs in neoplastic cells.** Lipids. 22:856-861; 1987.
- Ford, D.A., Miyake, R., Glaser, P.E., Gross, R.W.: **Activation of protein kinase C by naturally occurring ether-linked diglycerides.** J Biol Chem, 264:13818-24. 1989.
- Glasser, L., Somberg, L.B., Vogler, W.R.: **Purging murine leukemia marrow with alkyl-lysophospholipids.** Blood. 64:1288-91; 1984.
- Herrmann, B.J., Neumann, H.A.: **Cytotoxic ether phospholipids,** J Biol Chem, 261:7742-7747; 1986.
- Herrmann, D.B.: **Changes in cellular lipid synthesis of normal and neoplastic cells during cytolysis induced by alkyl-lysophospholipid analogues.** J Natl Cancer Inst. 75:423-430; 1985.
- Hoffman, D.R., Hoffman, L.H., Snyder, F.: **Cytotoxicity and metabolism of alkyl phospholipid analogues in neoplastic cells.** Cancer Res, 46:5803-5809; 1986.
- Houlihan, W.J., Lee, M.L., Munder, P.G., Nemecek, G.M.: **Antitumor activity of SRI 62-834, a cyclic ether analog of ET-18-0CH3.** Lipids. 22:884-90; 1987.
- Kelley, E.E., Modest, E.J., Burns, C.P.: **Unidirectional membrane uptake of the ether lipid antineoplastic agent edelosine by L1210 cells.** Biochem Pharmacol, 45: 2435-39; 1993.
- Lazenby, C.M., Thompson, M.G., Hickman, J.A.: **Elevation of leukemic cell intracellular calcium by the ether lipid SRI 62-834.** Cancer Res. 1190; 50:3327-30.

Okamoto, S., Olson, A.C., Berdel, W.E., Vogler, W.R.: **Purging of acute myeloid leukemic cells by ether lipids and hyperthermia.** Blood. 72:1777-83; 1988.

Modellel, M., Andreesen, R., Pahikes, W., Brugger, U., et al: **Disturbance of phospholipid metabolism during selective destruction of tumor cells induced by alkylphospholipids.** Cancer Res, 38:4681; 1979.

Munder, P.G., Modellel, M., Bausert, W., Oettgen, H.F., et al: **Alkyl-lysophospholipids in cancer therapy.** In: Augmenting Agents in Cancer Therapy (ed EM Hersh, et al) Raven Press; New York, pp 441-458; 1981.

Runge, M.H., Andreesen, R., Pfeiderer, A., Munder, P.G.: **Destruction of human solid tumors by alkyl-lysophospholipids.** J Natl Cancer Inst, 64:1301-1306; 1980.

Unger, C., Eibl, H., VonHeyden, H.W., Krisch, B., et al: **Blood-brain barrier and the penetration of cytostatic drugs.** Kli Wochenschr, 63 (12) p.565-71; 1985.

Unger, C., Eibl, H., Kim, D.J., et al: **Sensitivity of leukemia cell lines to Cytotoxic alkyl-lysophospholipid in relation to O-alkyl cleavage enzyme activities.** J Natl Cancer Inst. 78: 291-22, 1987.

Vogler, W.R., Berdel, W.E., Olson, A., Winton, E.F.: **Autologous bone marrow transplantation in acute leukemia with marrow purged with alkyl-lysophospholipid.** Blood. 80:1423-29; 1992.

Walum, E., Brohult, J., Werner, B.: **Effect of 1-0(2-methoxy) hexadecyl glycerol on the growth of human neuroblastoma cell and human epithelial cancer cells.** In manuscript, 1996.

Werbach, M.R.: **Alkylglycerols in Cancer.** 1 Orth Molec Med, 9:71; 1994.

Yamamoto, N., St. Clair, D.A., Homma, S., Ngwenya, B.: **Activating of mouse macrophages by alkylglycerols, inflammation products of cancerous tissues.** Cancer Research, 48:6044-0; 1988.

## IMMUNOLOGY

Adams, D.O., Hamilton, T.A.: **Molecular bases of signal transduction in macrophage activation induced by IFNY and by second signals.** Immunol.Rev. 97:1-27. 1987.

Boeryd, B. Nilsson, T., Lindholm, L., Lange, S., et al: **Stimulation of immune reactivity of methoxysubstituted glycerol ethers incorporated into the feed.** Eur J Immunol, 8:678-680; 1978.

- Bianco, C., Griffin, F.M., Silverstein, S.C.: **Studies of the macrophage complement receptors. Alteration on receptor function upon macrophage activation.** J Exp. Med. 141:1278; 1975.
- Brohult, A., Brohult, J, Brohult, S.: **Effect of irradiation and alkylglycerol treatment on the formation of antibodies after salmonella vaccination.** Experientia, 28:954; 1972.
- Caldwell, J.E., Sifferd, R.H., Porsche, J.D., Fenger, F.: **Recent studies on yellow bone marrow extracts.** Amer J Med Sci. 2:717; 1945.
- Cohn, Z.A.: **The macrophage - Versatile element of inflammation.** Harvey Lect, 77.63; 1982.
- Das, A.K., Homes, R.D., Wilson, G.N., Hajra, A.K.: **Dietary ether lipid incorporation in tissue plasmalogens of humans and rodents.** Lipids, 27:401-5; 1992.
- Goetzl, E.J., Derian, C.K., Tauber, A.I., Valone, F.H.: **Novel effects of 1-O-hexadecyl-2-acyl-sn-glycero-3-phosphorylcholine mediators on human leukocyte function: delineation of the specific roles of the acyl substituents.** Biochem Biophys Res Commun, 94:881-8; 1980.
- Gross, P.A., Gould, A.L, Brown, A.E.: **Effect of cancer chemotherapy on the immune response to influenza virus vaccine.** Review of published studies, 7:613-618; 1985.
- Herman, S., Yamamoto, N.: **Activation process of macrophages after in vitro treatment of mouse Lymphocytes with dodecylglycerols.** Department of Microbiology and Immunology, Hahnemann University School of Medicine, Philadelphia, PA 19102. Clin Exp Immunol {England} 79 (2) p.307-13; Feb 1990.
- Mackness, G.B.: **The mechanisms of macrophage activation in Infectious Agents and Host Reactions.** Mudd, S (ed) W.B. Saunders Co., Philadelphia, pp 61-75; 1970.
- Marberg, C.M., Wiles, H.O.: **Yellow bone marrow extracts in granulocytopenia.** J Amer Med Assoc, 109:1965; 1937.
- Marberg, C.M., Wiles, H.O.: **Granulocytopoietic fraction of yellow bone marrow.** Arch. Intern. Med. 61:408; 1938.
- Mossmann, H., Bamberger, U., Velez, B.A., Gehrung, M.: **Effect of platelet-activating factor on human polymorphonuclear leukocyte enhancement of chemiluminescence and antibody-dependent cellular cytotoxicity.** J Leukocyt Biol, 39:153-165; 1986.

Murray, H.W.: **Macrophage activation in the acquired immunodeficiency syndrome.** In: Mechanisms of host Resistance to Infectious Agents, Tumors, and Allografts. Steinman, R.M., North, R.J. (eds), Rockefeller University Press, New York, P.333; 1986.

Nathan, C.: **Interferon-gamma and macrophage activation in cell-mediated immunity.** In: **Mechanisms of host Resistance to Infectious Agents, Tumors and Allografts.** Steinman, R.M., North R.J. (eds), Rockefeller University Press, New York, p.333; 1986.

Nathan, C., Noguetta, N., Juangbhanich, C., Ellis, J., Cohn, Z.: **Activation of macrophages in vivo and in vitro: Correlation between hydrogen peroxide release and killing of Trypanosoma cruzi.** J. Exp. Med. 149:1056-1068; 1986.

Nathan, C.: **Macrophage activation: Some questions.** Ann. Inst. Pasteur, 137C:345-351, 150; 1986.

Nathan, C.F.: **Mechanisms of macrophage antimicrobial activity.** Trans R. Soc. Trop. Med. Hyg. 77:620-630; 1983.

Nathan, C.F., Tsunawaki, S.: **Secretion of toxic oxygen products by macrophages: Regulatory cytokines and their effects on the oxidase.** Ciba Found. Symp. II 8:211-230, 19.

Ngwenya, B.Z., Yamamoto, N.: **Effects of inflammation products on immune systems: Iyso-phosphatidylcholine stimulates macrophages.** Cancer Immunol Immunothr, 21:174-182; 1986.

Ngwenya, B.Z., Yamamoto, N.: **Activation of peritoneal macrophages by Iyso-phosphatidyl-choline.** Biochem. Biophys. Acta. 839:9-15; 1985.

Oh, Suk, Y., Jadhav, L.S.: **Effects of Dietary Alkylglycerols in Lactating Rats on Immune Response in Pups.** Pediatric Research, 36 (3): 300-301; 1994.

Orga, S.S., Weintraub, D., Orga.P.L.: **Immunologic aspects of human colostrum and milk.** J Immunol, 19: 245-248; 1977.

Palmblad, J., Samuelsson, J. Brohult, J.: **Interactions between alkylglycerols and human neutrophil granulocytes.** Scand J Clin Lab Invest. 50:363-370; 1990.

Sharber, M., Nathan, C.F.: **Autocrine activation of macrophages by recombinant tumor necrosis factor but not interleukin-1.** Blood, 68:suppl.86a (abstract); 1986.

Talmadge, J., Schneider, M., Lenz, B., Philips, H., Long, C.: **Immunomodulatory and therapeutic properties of alkyl-lysophospholipids in mice.** Lipids 22, 871-877; 1987.

Yamamoto, N., Ngwenya, B.Z., Sery, T.W., Pieringer, R.A.: **Activation of macrophages by ether analogues of lysophospholipids.**Cancer Immunol Ther 25:185; 1987.

Yamamoto, D., Homma, S., Haddad, A.M., Kowalski, A.: **Vitamin D3 binding protein required for in vitro activation of macrophages after alkylglycerol treatment of mouse peritoneal cells.** Immunol, 74:420-424; 1991.

Yamamoto, N., St. Clair, D.A., Homma, S., Ngwenya, B.: **Activation of mouse macrophages by alkylglycerols, inflammation products of cancerous tissues.** Cancer Research, 48:6044-6049; 1988.

Yamamoto, N., Willett, N.P., Lindsay, D.D.: **Participation of serum proteins in the inflammation-primed activations of macrophages.** Inflammation, Vol 18, No 3; 1994.

## RADIATION

Alexander, P., Connell, D.I., Brohult, S.: **Reduction of radiation induced shortening of life-span by a diet augmented with alkylglycerol esters and essential fatty acids.** Gerontologia, 3: 147-152; 1959.

Brohult, A.: **Alkylglycerols-esters in irradiation treatment.** Advances in Radiobiology. Proceedings of the Fifth International Conference on Radiobiology, Stockholm, p. 241; 1956.

Brohult, A.: **Alkylglycerols in irradiation treatment.** Nature, 193:1304; 1962.

Brohult, A.: **Alkylglycerols and their use in radiation treatment.** Acta Radiol, Suppl 223; 1963.

Brohult, A., Brohult, I., Brohult, S., Joelsson, I.: **Effect of alkylglycerols on the frequency of injuries following radiation therapy for carcinoma of the uterine cervix.** Acta Obstet Gynecol Scand, 58:203; 1979.

Brohult, A., Brohult, J., Brohult, S.: **Effect of alkylglycerols on the serum ornithine carbamoyl transferase in connection with radiation treatment.** Experientia 28,146; 1972.

Brohult, A., Brohult, J., Brohult, S., Joelsson, I.: **Effect of alkylglycerols on the frequency of fistulas following radiation therapy for carcinoma of the uterine cervix.**

Brohult, A., Holmberg, J.: **Alkoxyglycerols and Especially Selachyl Alcohol on the Bone Marrow in Connection with Irradiation Treatment and in Leukemia Therapy.** Nature 181:1484.

Brohult, A., Holmberg, J.: **Alkoxyglycerols in the Treatment of Leucopenia caused by irradiation.** Nature 174:1102, 1954.

Ghys, R.: **Effects des alkoxyglycerols (Kab Y 700) sur la leucopenie consecutive a la radiotherapie.** Laval mod 30:331; 1960.

Joelsson, I.: **Effect of alkylglycerols on the frequency of fistulas following radiation therapy.** Lipidforum, Lund, Sweden, June 1988.

Raynal, B.C.: **Les Alkoxyglycerols et leurs utilisations dans les traitements par irradiation des cancers.** These de Pharmacie - Montpellier, 1991.

Schumacher, C., Robbe, Y., Dubois, J., et al: **Dose related radiation recovery of the recto-sigmoid colon mucous membrane in mice treated with shark liver oil alkylglycerols esters.** Laboratoire de Chimie Organique Pharmaceutique.

#### HEAVY METALS

Fredin, B.: **Preliminary observations of rapid effects of alkylglycerols on the excretions of mercury in man.** A pilot study, Department of Physiological Chemistry IV University of Lund - Sweden; 1988.

Fredin, B.: **Effects of alkoxy-glycerols on the accumulation of mercury in rats after a single dose of metallic mercury.** Swed J Biol Med; Jan 1990.

Marine Nutraceutical Corporation  
794 Sunrise Boulevard  
Mt. Bethel, PA 18343  
Tel: 570-897-0351/Fax: 570-897-7732  
e-mail: sales@marine-ingredients.com