



US 20110104297A1

(19) **United States**(12) **Patent Application Publication**  
**BRUHEIM et al.**(10) **Pub. No.: US 2011/0104297 A1**(43) **Pub. Date: May 5, 2011**(54) **METHODS OF USING KRILL OIL TO TREAT  
RISK FACTORS FOR CARDIOVASCULAR,  
METABOLIC, AND INFLAMMATORY  
DISORDERS**61/024,072, filed on Jan. 28, 2008, provisional appli-  
cation No. 61/181,743, filed on May 28, 2009, provi-  
sional application No. 60/920,483, filed on Mar. 28,  
2007.(75) Inventors: **Inge BRUHEIM**, Volda (NO);  
**Snorre Tilseth**, Bergen (NO);  
**Jeffery Cohn**, Sydney (AU);  
**Mikko Griinari**, Espoo (FI);  
**Daniele Mancinelli**, Orsta (NO);  
**Nils Hoem**, Oslo (NO); **Hogne Vik**,  
Eiksmarka (NO); **Sebastiano**  
**Banni**, Calgliari (IT)**Publication Classification**(51) **Int. Cl.**  
**A61K 35/56** (2006.01)  
**A61P 9/10** (2006.01)  
**A61P 3/04** (2006.01)  
**A61P 3/00** (2006.01)  
(52) **U.S. Cl.** ..... **424/522; 426/2**(73) Assignee: **Aker BioMarine A.S.A.**, Oslo  
(NO)(21) Appl. No.: **12/790,575**(22) Filed: **May 28, 2010****Related U.S. Application Data**(63) Continuation-in-part of application No. 12/057,775,  
filed on Mar. 28, 2008.(60) Provisional application No. 60/975,058, filed on Sep.  
25, 2007, provisional application No. 60/983,446,  
filed on Oct. 29, 2007, provisional application No.**ABSTRACT**

This invention discloses methods of using krill oil and compositions comprising krill oil to treat risk factors for metabolic, cardiovascular, and inflammatory disorders. The present invention also relates to methods of using compositions comprising krill oil to modulate biological processes selected from the group consisting of glucose metabolism, lipid biosynthesis, fatty acid metabolism, cholesterol biosynthesis, and the mitochondrial respiratory chain. The present invention further includes pharmaceutical and/or nutraceutical formulations made from krill oil, methods of making such formulations, and methods of administering them to treat risk factors for metabolic, cardiovascular, and inflammatory disorders.

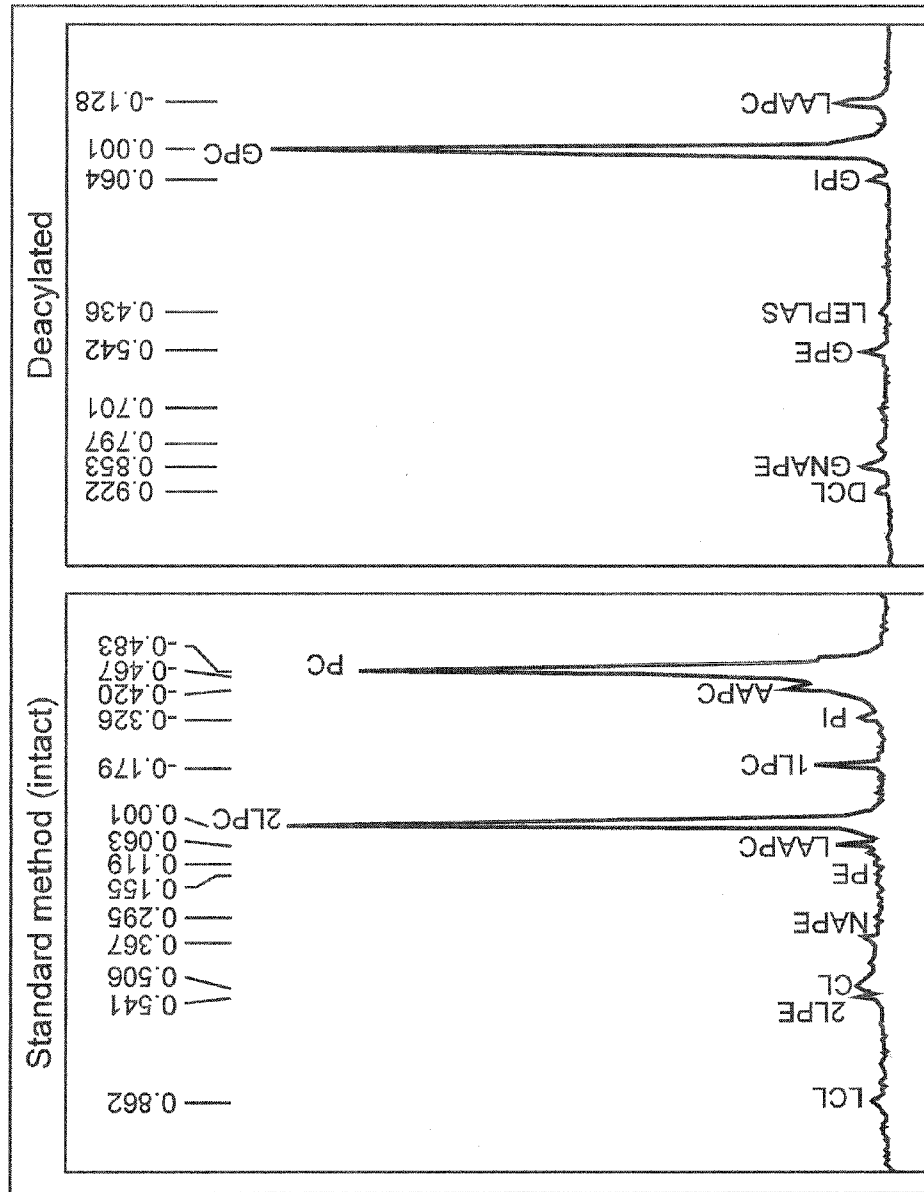


FIGURE 1

FIGURE 2

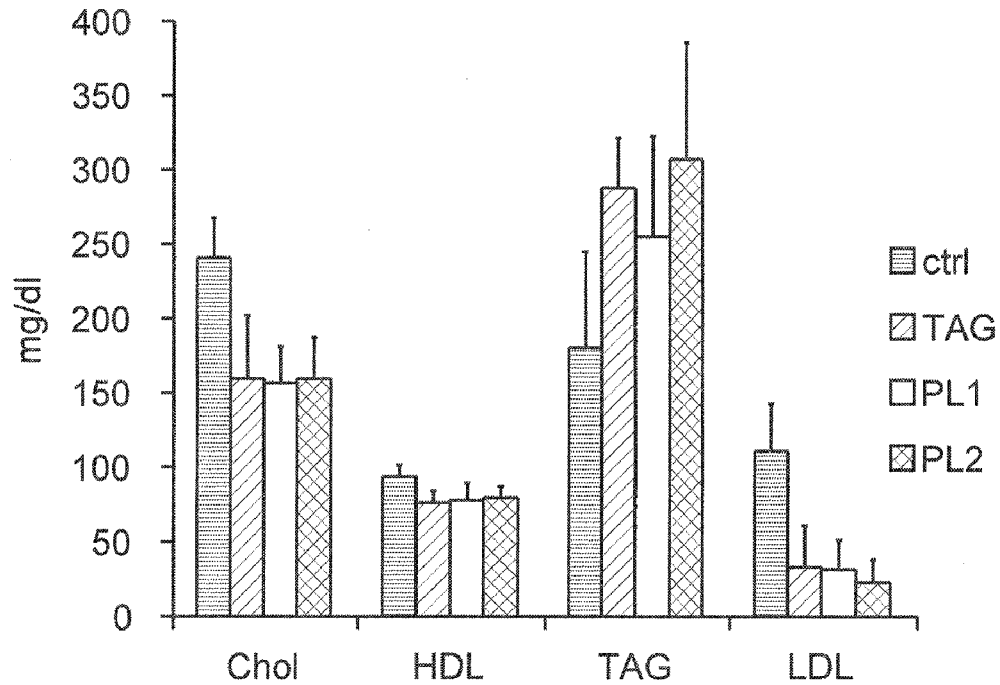


FIGURE 3

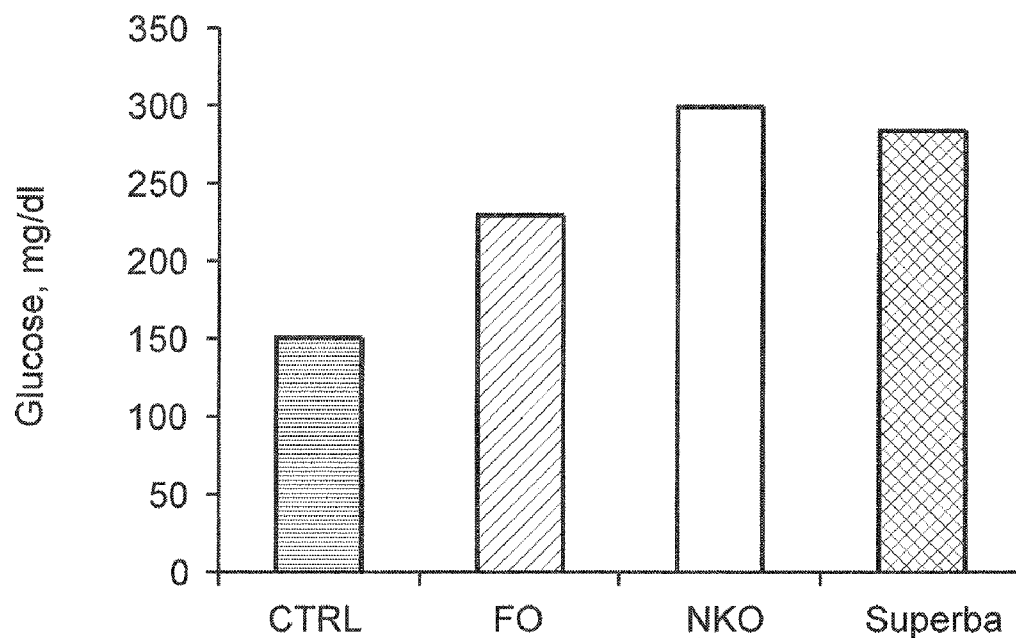


FIGURE 4

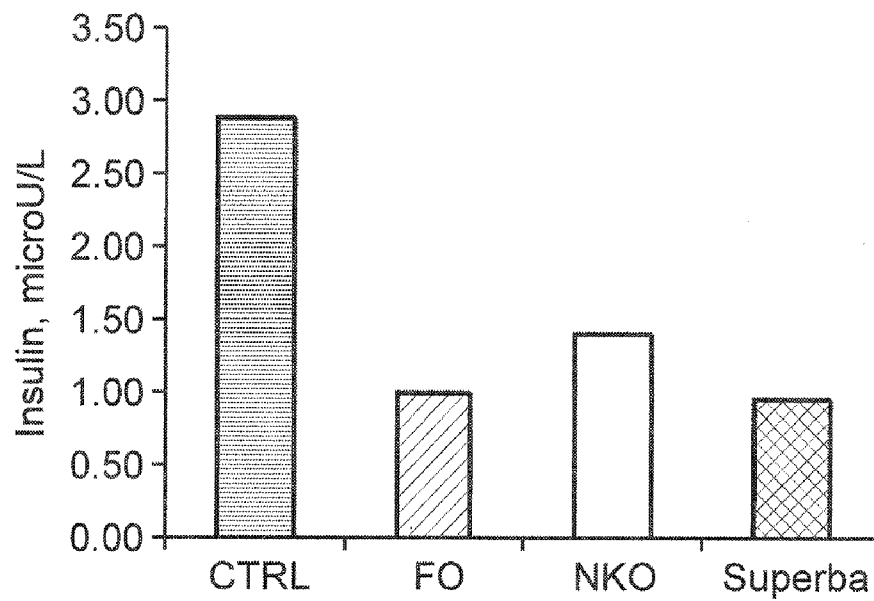


FIGURE 5

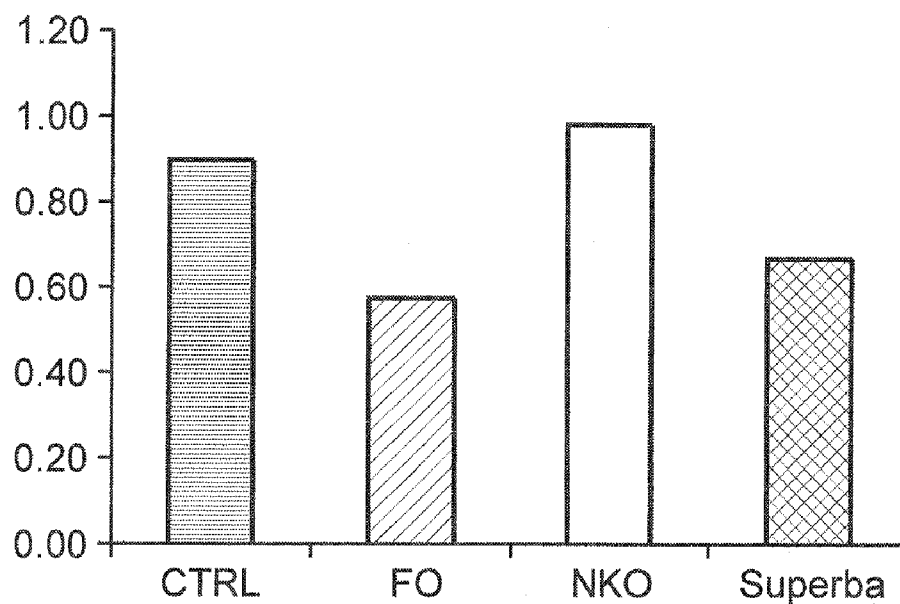


FIGURE 6

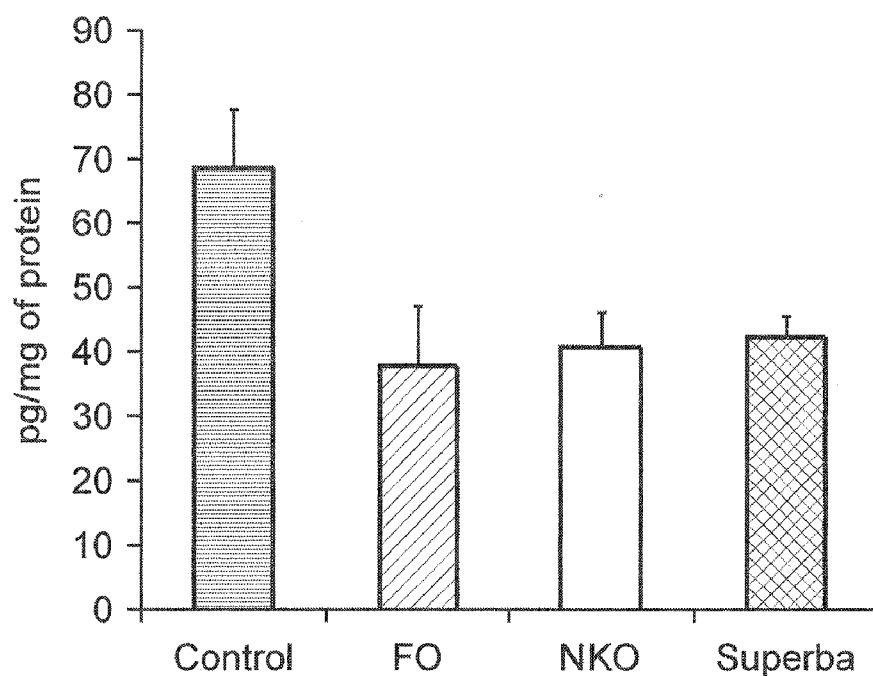
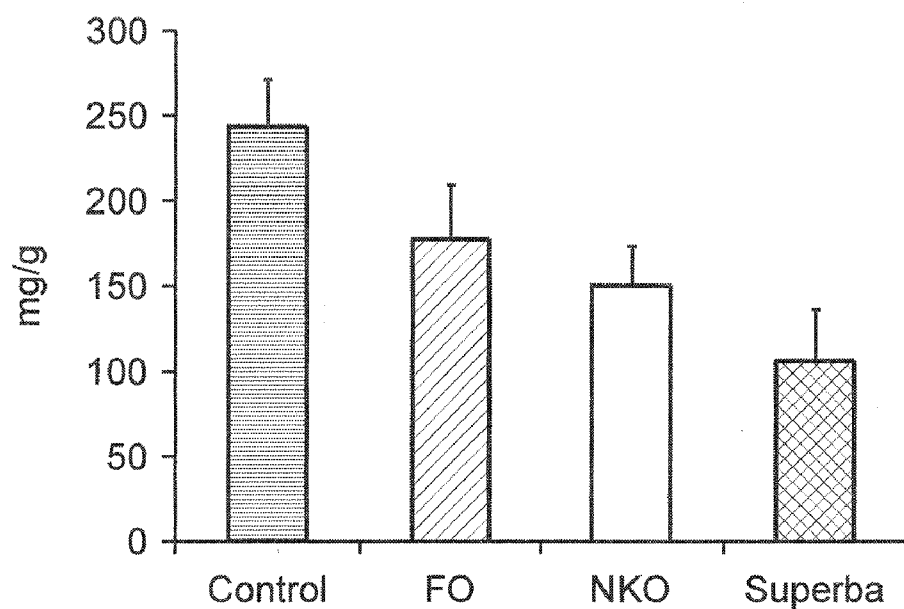


FIGURE 7



# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.