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**(12) United States Patent**  
**Dasseux et al.****(10) Patent No.: US 7,335,799 B2**  
**(45) Date of Patent: Feb. 26, 2008****(54) HYDROXYL COMPOUNDS AND COMPOSITIONS FOR CHOLESTEROL MANAGEMENT AND RELATED USES****(75) Inventors:** Jean-Louis Henri Dasseux, Brighton, MI (US); Carmen Daniela Oniciu, Ann Arbor, MI (US)**(73) Assignee:** Esperion Therapeutics, Inc., Ann Arbor, MI (US)**(\*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 711 days.**(21) Appl. No.:** 10/743,470**(22) Filed:** Dec. 23, 2003**(65) Prior Publication Data**

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**Related U.S. Application Data****(60)** Provisional application No. 60/441,795, filed on Jan. 23, 2003.**(51) Int. Cl.****C07C 31/22** (2006.01)**C07C 31/20** (2006.01)**C07C 31/18** (2006.01)**(52) U.S. Cl.** ..... **568/861**; 568/852; 568/858; 568/859; 568/860; 568/864; 562/512; 562/517; 562/519; 560/190; 560/203; 560/204**(58) Field of Classification Search** ..... 568/852, 568/858, 859, 860, 861, 864; 562/512, 517, 562/519; 560/190, 203, 204

See application file for complete search history.

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*Primary Examiner*—Elvis O. Price*(74) Attorney, Agent, or Firm*—William R. Boudreaux; Martha A. Gammill; Charles W. Ashbrook**(57)****ABSTRACT**

The present invention relates to novel hydroxyl compounds, compositions comprising hydroxyl compounds, and methods useful for treating and preventing a variety of diseases and conditions such as, but not limited to aging, Alzheimer's Disease, cancer, cardiovascular disease, diabetic nephropathy, diabetic retinopathy, a disorder of glucose metabolism, dyslipidemia, dyslipoproteinemia, hypertension, impotence, inflammation, insulin resistance, lipid elimination in bile, obesity, oxysterol elimination in bile, pancreatitis, pancreatitis, Parkinson's disease, a peroxisome proliferator activated receptor-associated disorder, phospholipid elimination in bile, renal disease, septicemia, metabolic syndrome disorders (e.g., Syndrome X), thrombotic disorder. Compounds and methods of the invention can also be used to modulate C reactive protein or enhance bile production in a patient. In certain embodiments, the compounds, compositions, and methods of the invention are useful in combination therapy with other therapeutics, such as hypocholesterolemic and hypoglycemic agents.

**18 Claims, No Drawings**