

Title (en)  
OXYGENATED DIBENZO-ALPHA-PYRONE CHROMOPROTEINS

Title (de)  
MIT SAUERSTOFF ANGEREICHETERTE DIBENZO-ALPHA-PYRON-CHROMOPROTEINE

Title (fr)  
CHROMOPROTEINES DIBENZO-ALPHA-PYRONE OXYGENEES

Publication  
**EP 1750739 A4 20100505 (EN)**

Application  
**EP 05779897 A 20050314**

Priority  
• US 2005008577 W 20050314  
• US 82427104 A 20040414  
• US 79910404 A 20040430

Abstract (en)  
[origin: WO2005099739A1] A composition of oxygenated dibenzo-alpha-pyrone chromoproteins (DCP) and their isolation from shilajit, fossils of ammonites, corals and other invertebrates. More particularly, to the description of DCP-composition comprising oxygenated dibenzo-alpha-pyrone or its conjugates, phosphocreatine, proteins, fatty acyl esters of glycerol and other small ligands, e.g., carotenoids, sterols and aromatic acids, as core structural fragments, and their biological functions. Pharmaceutical, nutritional, skin care and personal care formulations are also described. These findings establish DCPs as the major bioactives of shilajit.

IPC 8 full level  
**A61K 38/00** (2006.01); **A61K 8/00** (2006.01); **A61K 8/49** (2006.01); **A61K 8/64** (2006.01); **A61K 38/16** (2006.01); **A61Q 19/00** (2006.01); **A61Q 5/00** (2006.01); **A61Q 17/04** (2006.01); **A61Q 19/02** (2006.01)

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Citation (search report)  
• [E] WO 2006078424 A2 20060727 - NATREON INC [US]  
• [I] GHOSAL S.: "Shilajit : its origin and significance", INDIAN JOURNAL OF INDIGENOUS MEDICINES, SUSHIEL KUMAR AGRAWAL, SAHARANPUR, IN, vol. 9, no. 1&2, 1992, pages 1 - 3, XP009131178, ISSN: 0971-5452  
• [I] GHOSAL SHIBNATH: "Shilajit: Its origin and vital significance", TRADITIONAL MEDICINE INTERNATIONAL SCIENCE PUBLISHER {A}, LEBANON, NEW HAMPSHIRE, USA, 1993, & INTERNATIONAL SEMINAR ON TRADITIONAL MEDICINE: A CHALLENGE OF THE TWENTY-FIRST CENTURY; CALCUTTA, INDIA; NOVEMBER 7-9, 1992, pages 308 - 319, XP009033755, ISBN: 1-881570-32-0  
• [I] GHOSAL S ET AL.: "The core structure of Shilajit Humus", SOIL BIOLOGY AND BIOCHEMISTRY, vol. 23, no. 7, 1991, GB, pages 673 - 680, XP023673371, ISSN: 0038-0717, DOI: 10.1016/0038-0717(91)90082-U  
• See references of WO 2005099739A1

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Designated contracting state (EPC)  
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