

Title (en)

OZONIDES OF TERPENES AND THEIR MEDICAL USES

Publication

EP 0427781 A4 19910821 (EN)

Application

EP 89909317 A 19890616

Priority

US 21137888 A 19880624

Abstract (en)

[origin: WO8912626A1] Ozonides of terpenes are disclosed. Terpenes which are believed to be pharmacologically active when prepared in accordance with the present invention include: limonene, citronella, alpha-carotene, beta-carotene, Vitamin A, linalool, linalyl acetate, or squalene. Other compounds which are believed to make pharmacologically active terpene ozonides in accordance with the present invention include geraniol, limonene, alpha-pinene, loganin, cymene, farnesanes, eudesmanes, acoranes, cedranes, chamigranes, caryophyllanes, illudanes, humulenes, himachalenes, longifolanes, perhydroazulenes, quaianes, quaianolides, or germacrane. Still other compounds which are believed to make pharmacologically active terpene ozonides in accordance with the present invention include labdanes, clerodanes, abietic acid, phyllocladene, gibberellins, ophiobolin A, retigeranic acid, gasgardic acid, lanosterol, euphol, oleanane, ursane, lupeol, hydroxyhopanone, lupanes, or hopanes. Other particular terpene compounds which are believed to make pharmacologically active terpene ozonides when prepared in accordance with the present invention include B-selinene, zingibene, camphene, sabinene, ocimene, myrcene, nerol, citral A, citral B, farnesol, bisabolene, phytol, and cecropia hormone. A method of producing the terpene ozonides is also disclosed. Further, pharmaceutical preparations using these compositions are disclosed. Methods of medical treatment using these pharmaceutical preparations are also disclosed.

IPC 1-7

C07C 13/28; **C07C 45/27**; **C07C 403/00**; **C07D 323/02**; **A61K 31/085**; **A61K 31/335**

IPC 8 full level

A61K 31/08 (2006.01); **A61K 8/00** (2006.01); **A61K 31/335** (2006.01); **A61K 31/357** (2006.01); **A61P 17/00** (2006.01); **A61P 29/00** (2006.01); **A61P 31/04** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **A61Q 17/04** (2006.01); **C07D 323/00** (2006.01); **C07D 323/02** (2006.01); **C07G 99/00** (2009.01)

CPC (source: EP)

A61P 17/00 (2017.12); **A61P 29/00** (2017.12); **A61P 31/04** (2017.12); **A61P 31/12** (2017.12); **A61P 35/00** (2017.12); **C07D 323/02** (2013.01)

Citation (search report)

See references of WO 8912626A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 8912626 A1 19891228; AU 4058689 A 19900112; CA 1338083 C 19960227; EP 0427781 A1 19910522; EP 0427781 A4 19910821; JP H04502145 A 19920416

DOCDB simple family (application)

US 8902640 W 19890616; AU 4058689 A 19890616; CA 603585 A 19890622; EP 89909317 A 19890616; JP 50876989 A 19890616