

Title (en)
ION PAIRS OF HYPERICIN COMPOUNDS HAVING ANTIVIRAL ACTIVITY.

Publication
EP 0644869 A4 19950412 (EN)

Application
EP 93906002 A 19930216

Priority
• US 9301393 W 19930216
• US 83589692 A 19920214

Abstract (en)
[origin: WO9315607A1] Ion pairs of hypericin and its analogues and derivatives are prepared by acidifying hypericin to its free acid form and reacting with a predetermined quantity of an organic or inorganic base at a pH below about 11.5. The compounds are useful as antiviral therapeutics and antiseptics.

IPC 1-7
C07C 50/36

IPC 8 full level
C07D 295/00 (2006.01); **A01N 31/16** (2006.01); **A01N 35/06** (2006.01); **A61K 31/12** (2006.01); **A61K 31/135** (2006.01); **A61K 31/14** (2006.01); **A61P 31/12** (2006.01); **C07C 46/00** (2006.01); **C07C 50/36** (2006.01); **C07C 211/02** (2006.01); **C07C 215/08** (2006.01); **C07C 225/32** (2006.01); **C07C 229/26** (2006.01); **C09B 3/78** (2006.01); **C09B 69/04** (2006.01)

CPC (source: EP)
A01N 35/06 (2013.01); **A61P 31/12** (2017.12); **C07C 50/36** (2013.01); **C07C 211/02** (2013.01); **C07C 215/08** (2013.01); **C07C 229/26** (2013.01); **C09B 3/78** (2013.01); **C09B 69/04** (2013.01)

Citation (search report)
• [DX] US 4898891 A 19900206 - LAVIE DAVID [IL], et al
• [E] WO 9308797 A1 19930513 - UNIV NEW YORK [US]
• [PX] CHEMICAL ABSTRACTS, vol. 118, no. 1, 4 January 1993, Columbus, Ohio, US; abstract no. 006783, WEINER L ET AL: "EPR studies of hypericin. Photogeneration of free radicals and superoxide" & J. CHEM. SOC., PERKIN TRANS. 2 (JCPKBH,03009580);92; (9); PP.1439-42, WEIZMANN INST. SCI.;DEP. CHEM. PHYS.; REHOVOT; 76 100; ISRAEL (IL) & J. CHEM. SOC., PERKIN TRANS. 2 (JCPKBH,03009580);92; (9); PP.1439-42, WEIZMANN INST. SCI.;DEP. CHEM. PHYS.; REHOVOT; 76 100; ISRAEL (IL)
• [PX] CHEMICAL ABSTRACTS, vol. 118, no. 15, 12 April 1993, Columbus, Ohio, US; abstract no. 143391, FALK H ET AL: "The Nature of "Soluble" Hypericin in Hypericum species" & MONATSH. CHEM. (MOCMB7,00269247);92; VOL.123 (8-9); PP.731-9, JOHANNES-KEPLER-UNIV.;INST. CHEM.; LINZ; A-4040; AUSTRIA (AT)
• See references of WO 9315607A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9315607 A1 19930819; AU 3720593 A 19930903; AU 679676 B2 19970710; CA 2130090 A1 19930819; EP 0644869 A1 19950329; EP 0644869 A4 19950412; IL 104693 A0 19930610; JP H07504170 A 19950511

DOCDB simple family (application)
US 9301393 W 19930216; AU 3720593 A 19930216; CA 2130090 A 19930216; EP 93906002 A 19930216; IL 10469393 A 19930211; JP 51433593 A 19930216