

Title (en)

2(5H)-FURANONES SUBSTITUTED IN THE 5 AND OR IN THE 4 POSITION, AS ANTI-INFLAMMATORY AGENTS

Publication

EP 0524979 A4 19930310 (EN)

Application

EP 91907029 A 19910325

Priority

US 51036490 A 19900417

Abstract (en)

[origin: WO9116055A1] Compounds of formula (1), and compounds of formula (2) in which R1 is H, alkyl of 1 to 20 carbons, alkylene having one or more double bonds, alkyne having one or more triple bonds, arylalkyl, arylalkylene having one or more double bonds or arylalkyne having one or more triple bonds; R2 is H, alkyl of 1 to 20 carbons, alkylene having one or more double bonds, alkyne having one or more triple bonds, arylalkyl, arylalkylene having one or more double bonds or arylalkyne having one or more triple bonds; R3 is H, alkyl of 1 to 20 carbons, arylalkyl, or halogene, and X is H or alkyl of 1 to 20 carbons, CO-X<*>, CO-O-X<*>,, CO-NH-X<*>,, or PO(OX<*>,)2 or PO(OX<*>,)X<*>,, where X<*>, independently is H, alkyl of 1 to 20 carbons, phenyl, or substituted phenyl, are disclosed. However, in the compounds of the invention illustrated by formula (2), R1 and R3 both cannot be hydrogen. The compounds have anti-inflammatory activity.

IPC 1-7

A61K 31/665; A61K 31/34; C07F 9/32; C07D 307/62

IPC 8 full level

A61K 31/34 (2006.01); **A61K 31/341** (2006.01); **A61K 31/365** (2006.01); **A61P 29/00** (2006.01); **C07D 307/28** (2006.01); **C07D 307/30** (2006.01); **C07D 307/58** (2006.01); **C07D 307/60** (2006.01); **C07F 9/655** (2006.01)

CPC (source: EP)

A61P 29/00 (2018.01); **C07D 307/28** (2013.01); **C07D 307/30** (2013.01); **C07D 307/58** (2013.01); **C07D 307/60** (2013.01); **C07F 9/65515** (2013.01)

Citation (examination)

DECISION MAKING IN DRUG RESEARCH, 1983, pages 173 - 188

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

WO 9116055 A1 19911031; AU 7559691 A 19911111; CA 2078771 A1 19911018; EP 0524979 A1 19930203; EP 0524979 A4 19930310; IE 911267 A1 19911023; JP H05506215 A 19930916

DOCDB simple family (application)

US 9102005 W 19910325; AU 7559691 A 19910325; CA 2078771 A 19910325; EP 91907029 A 19910325; IE 126791 A 19910416; JP 50666091 A 19910325