

Title (en)  
PYRIMIDIN-2,4,6-TRION DERIVATIVES, METHOD FOR PRODUCING THE SAME AND MEDICINAL PRODUCTS CONTAINING THESE COMPOUNDS

Title (de)  
PYRIMIDIN-2,4,6-TRION-DERIVATE, VERFAHREN ZU DEREN HERSTELLUNG UND DIESE VERBINDUNGEN ENTHALTENDE ARZNEIMITTEL

Title (fr)  
DERIVES DE PYRIMIDINE-2,4,6-TRIONE, LEUR PROCEDE DE PRODUCTION ET MEDICAMENTS CONTENANT CES COMPOSES

Publication  
**EP 0991626 A2 20000412 (DE)**

Application  
**EP 98937509 A 19980619**

Priority  
• DE 19726427 A 19970623  
• EP 9803740 W 19980619

Abstract (en)  
[origin: DE19726427A1] The invention relates to substances of general formula (I), where R1 and R2, independently of each other, can be H, alkenyl or alkyl, R3 is a W-V group, where W is a bond or a linear or branched alkyl group, which is optionally interrupted by oxygen, sulphur or nitrogen and can be substituted with hydroxy-, amino-, mercapto-, alkoxy-, oxo-, carboxy-, acyl-, alkyl-, aralkyl-, aryl- or heteroaryl groups, and in which V is H, a monocyclic or bicyclic, saturated or unsaturated ring, which can possibly contain between 1 and 4 nitrogen, oxygen or sulphur atoms and can be optionally substituted with hydroxy-, amino-, mercapto-, alkoxy-, oxo-, carboxy-, acyl-, acylamido-, alkyl-, aralkyl-, aryl- or heteroaryl groups; R4 is an -N(R13)-C(O)-R5, -N(R13)-C(O)-OR5, -N(R13)-SO2-R5, -N(R13)-C(S)-R5, -N(R13)-C(S)-OR5, -N(R13)-C(O)-CR14R15(-CR16R17)n - C(O)-R5, or -N(R13)-CR14R15(-CR16R17)n-C(O)-R18 rest, which in each case is linked by the nitrogen atom to the central pyrimidin ring; n is 0 or 1; R13 has the meaning given above for R3 or with R14 or R16 possibly forms a heterocycle having between 4 and 7 members; and R5 is an alkyl-, cycloalkyl-, aralkyl-, aryl- or heteroaryl rest, whereby these rests can be substituted with hydroxy-, amino groups or halogen. R14, R15, R16 and R17, independently of each other, are hydrogen, the C alpha radical of a proteinogenic amino acid, alkyl, cycloalkyl, aryl, heteroaryl, aralkyl or heteroaralkyl, and R14 and R15 or alternatively R16 and R17 can together form a carbocycle having between 3 and 7 members; R18 is OH or N(R6R7), where R6 can be H, alkyl, cycloalkyl, aralkyl, aryl or heteroaryl and R7 is a group which, together with the N atom, represents a proteinogenic or non-proteinogenic alpha or beta amino acid or amino acid amide. In addition, R6 and R7 can together form a ring having between 4 and 7 members, which optionally contains heteroatoms such as oxygen, sulphur or nitrogen and is optionally substituted with alkyl, aralkyl, aryl or heteroaryl. The invention further relates to pharmacologically compatible salts and esters of general formula I and the use of these compounds for manufacturing medicinal products.

IPC 1-7  
**C07D 239/00**

IPC 8 full level  
**A61K 31/505** (2006.01); **A61K 31/506** (2006.01); **A61P 9/00** (2006.01); **A61P 9/12** (2006.01); **A61P 43/00** (2006.01); **C07D 239/60** (2006.01); **C07D 239/62** (2006.01); **C07D 403/04** (2006.01); **C07D 403/12** (2006.01)

CPC (source: EP KR US)  
**A61P 9/00** (2017.12 - EP); **A61P 9/12** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 239/00** (2013.01 - KR); **C07D 239/60** (2013.01 - EP US)

Citation (search report)  
See references of WO 9858915A2

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

DOCDB simple family (publication)  
**DE 19726427 A1 19981224**; AR 013119 A1 20001213; AU 8627898 A 19990104; BR 9810286 A 20000912; CA 2294113 A1 19981230; CN 1268126 A 20000927; EP 0991626 A2 20000412; JP 2002504917 A 20020212; KR 20010014152 A 20010226; TR 199903213 T2 20000621; US 6242455 B1 20010605; WO 9858915 A2 19981230; WO 9858915 A3 19990514; ZA 985406 B 19991222

DOCDB simple family (application)  
**DE 19726427 A 19970623**; AR P980103001 A 19980623; AU 8627898 A 19980619; BR 9810286 A 19980619; CA 2294113 A 19980619; CN 98808440 A 19980619; EP 9803740 W 19980619; EP 98937509 A 19980619; JP 50377799 A 19980619; KR 19997012220 A 19991223; TR 9903213 T 19980619; US 44546000 A 20000322; ZA 985406 A 19980622