Unconditional amendments to EP (UK) 2 298 301:

1. A compound for use in preventing or treating anemia associated with kidney disease in a subject, wherein the compound is a compound of formula (I)

$$\begin{array}{c} R^1 \\ Q-R^4 \\ Y \\ N \end{array} \qquad \begin{array}{c} Q-R^4 \\ X \end{array} \qquad (I)$$

wherein

A is (C_1-C_4) -alkylene;

B is -CO₂H, -NH₂, -NHSO₂CF₃, tetrazolyl, imidazolyl, 3-hydroxyisoxazolyl, -CONHCOR", -CONHSOR", CONHSO₂R", where R" is aryl, heteroaryl, (C₃-C₇)cycloalkyl, or (C_1-C_4) -alkyl, optionally monosubstituted by (C_6-C_{12}) -aryl, heteroaryl, OH, SH, (C_1-C_4) -alkyl, (C_1-C_4) -alkoxy, (C_1-C_4) -thioalkyl, (C_1-C_4) -sulfinyl, (C_1-C_4) sulfonyl, CF₃, Cl, Br, F, I, NO2, -COOH, (C₂-C₅)-alkoxycarbonyl, NH₂, mono-(C₁-C₄alkyl)-amino, di-(C₁-C₄-alkyl)-amino, or (C₁-C₄)-perfluoroalkyl; or wherein B is a CO₂-G carboxyl radical, where G is a radical of an alcohol G-OH in which G is selected from (C₁-C₂₀)-alkyl radical, (C₃-C₈) cycloalkyl radical, (C₂-C₂₀)-alkenyl radical, (C₃-C₈)cycloalkenyl radical, retinyl radical, (C₂-C₂₀)-alkynyl radical, (C₄-C₂₀)-alkenynyl radical, where the alkenyl, cycloalkenyl, alkynyl, and alkenynyl radicals contain one or more multiple bonds; (C₆-C₁₆)-carbocyclic aryl radical, (C₇-C₁₆)-carbocyclic aralkyl radical, heteroaryl radical, or heteroaralkyl radical, wherein a heteroaryl radical or heteroaryl moiety of a heteroaralkyl radical contains 5 or 6 ring atoms; and wherein radicals defined for G are substituted by one or more hydroxyl, halogen, cyano, trifluoromethyl, nitro, carboxyl, (C₁-C₁₂)-alkyl, (C₃-C₈)-cycloalkyl, (C₅-C₈)-cycloalkenyl, (C_6-C_{12}) -aryl, (C_7-C_{16}) -aralkyl, (C_2-C_{12}) -alkenyl, (C_2-C_{12}) -alkynyl, (C_1-C_{12}) -alkoxy, (C_1-C_{12}) -alkox $C_{12})-alkoxy-(C_{1}-C_{12})-alkyl,\ (C_{1}-C_{12})-alkoxy-(C_{1}-C_{12})-alkoxy,\ (C_{6}-C_{12})-aryloxy,\ (C_{7}-C_{16})-alkoxy-(C_{1}-C_{12})-alkoxy$

aralkyloxy, (C_1-C_8) -hydroxyalkyl, $-O-[CH_2]_x-C_tH_{(2f+1-g)}-F_g$, $-OCF_2CI$, $-OCF_2-CHFCI$, C₁₂)-alkylcarbonyl, (C₃-C₈)-cycloalkylcarbonyl, (C₆-C₁₂)-arylcarbonyl, (C₇-C₁₆)aralkylcarbonyl, cinnamoyl, (C₂-C₁₂)-alkenylcarbonyl, (C₂-C₁₂)-alkynylcarbonyl, (C₁- C_{12})-alkoxycarbonyl, (C_1 - C_{12})-alkoxy-(C_1 - C_{12})-alkoxycarbonyl, (C_6 - C_{12})aryloxycarbonyl, (C_7-C_{16}) -aralkoxycarbonyl, (C_3-C_8) -cycloalkoxycarbonyl, (C_2-C_{12}) alkenyloxycarbonyl, (C_2-C_{12}) -alkynyloxycarbonyl, acyloxy, (C_1-C_{12}) alkoxycarbonyloxy, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) -alkoxycarbonyloxy, (C_6-C_{12}) aryloxycarbonyloxy, (C₇-C₁₆) aralkyloxycarbonyloxy, (C₃-C₈)-cycloalkoxycarbonyloxy, (C₂-C₁₂)-alkenyloxycarbonyloxy, (C₂-C₁₂)-alkynyloxycarbonyloxy, carbamoyl, N-(C₁-C₁₂)-alkylcarbamoyl, N.N-di(C₁-C₁₂)-alkylcarbamoyl, N-(C₃-C₈)-cycloalkyl-carbamoyl, $N-(C_6-C_{16})$ -arylcarbamoyl, $N-(C_7-C_{16})$ -aralkylcarbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-(C_6-C_{16})$ arylcarbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-(C_7-C_{16})$ -aralkylcarbamoyl, $N-((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) -alkoxy- (C_1-C_{10}) -aralkylcarbamoyl, $N-((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) -aralkylcarbamoyl, $N-((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) -aralkylcarbamoyl, $N-((C_1-C_{10})$ -aralkylcarbamoyl, N-(C_{10})-alkyl)-carbamoyl, $N-((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) alkyl)-carbamoyl, $N-((C_7-C_{16})$ aralkyloxy- (C_1-C_{10}) -alkyl)-carbamoyl, N- (C_1-C_{10}) -alkyl-N- $((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) alkyl)-carbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-((C_6-C_{16})$ -aryloxy- (C_1-C_{10}) -alkyl)-carbamoyl, N- (C_1-C_{10}) -alkyl-N- $((C_7-C_{16})$ -aralkyloxy- (C_1-C_{10}) -alkyl)-carbamoyl, carbamoyloxy, N- (C_1-C_{10}) -alkyl-N- (C_1-C_1) C_{12})-alkylcarbamoyloxy, N.N-di- $(C_1$ - C_{12})-alkylcarbamoyloxy, N- $(C_3$ - C_8)cycloalkylcarbamoyloxy, N-(C₆-C₁₂)-arylcarbamoyloxy, N-(C₇-C₁₆)aralkylcarbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-(C_6-C_{12})$ -arylcarbamoyloxy, $N(C_1-C_{10})$ -alkyl- $N-(C_7-C_{16})$ -aralkylcarbamoyloxy, $N-((C_1-C_{10})$ -alkyl)-carbamoyloxy, $N-((C_6-C_{12})$ aryloxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, N- $((C_7-C_{16})$ -aralkyloxy- (C_1-C_{10}) -alkyl)carbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_1)$ -alkyl- (C_1-C_{10}) -alkyl-N- $((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, N- (C_1-C_{10}) -alkyl-N- C_{12})-alkylamino, (C_3 - C_8)-cycloalkylamino, (C_2 - C_{12})-alkenylamino, (C_2 - C_{12})alkynylamino, N-(C₆-C₁₂)-arylamino, N-(C-C₁₁)-aralkylamino, N-alkyl-aralkylamino, Nalkyl-arylamino, (C₁-C₁₂)-alkoxyamino, (C₁-C₁₂)-alkoxy-N-(C₁-C₁₀)-alkylamino, (C₁- C_{12})-alkylcarbonylamino, (C_3 - C_8)-cycloalkylcarbonylamino, (C_6 - C_{12})

arylcarbonylamino, (C_7-C_{16}) -aralkylcarbonylamino, (C_1-C_{12}) -alkylcarbonyl-N- (C_1-C_{10}) alkylamino, (C₃-C₈)-cycloalkylcarbonyl-N-(C₁-C₁₀)-alkylamino, (C₆-C₁₂)-arylcarbonyl- $N-(C_1-C_{10})$ alkylamino, (C_7-C_{11}) -aralkylcarbonyl- $N-(C_1-C_{10})$ -alkylamino, (C_1-C_{12}) alkylcarbonylamino-(C₁-C₈)-alkyl, (C₃-C₈)-cycloalkylcarbonylamino-(C₁-C₈)alkyl, (C₆- C_{12})-arylcarbonylamino- (C_1-C_8) -alkyl, (C_7-C_{12}) -aralkylcarbonylamino (C_1-C_8) -alkyl, amino- (C_1-C_{10}) -alkyl, N- (C_1-C_{10}) alkylamino- (C_1-C_{10}) -alkyl, N.N-di- (C_1-C_{10}) alkylamino- (C_1-C_{10}) -alkyl, (C_3-C_8) cycloalkylamino- (C_1-C_{10}) -alkyl, (C_1-C_{12}) alkylmercapto, (C₁-C₁₂)-alkylsulfinyl, (C₁-C₁₂)-alkylsulfonyl, (C₆-C₁₆)-arylmercapto, (C_6-C_{16}) -arylsulfinyl, (C_6-C_{12}) -arylsulfonyl, (C_7-C_{16}) -aralkylmercapto, (C_7-C_{16}) aralkylsulfinyl, (C₇-C₁₆)-aralkylsulfonyl, sulfamoyl, N-(C₁-C₁₀)-alkylsulfamoyl, N.Ndi(C₁-C₁₀)-alkylsulfamoyl, (C₃-C₈)-cycloalkylsulfamoyl, N-(C₆-C₁₂)-alkylsulfamoyl, N- (C_7-C_{16}) -aralkylsulfamoyl, N- (C_1-C_{10}) -alkyl-N- (C_6-C_{12}) -arylsulfamoyl, N- (C_1-C_{10}) -alkyl- $N-(C_7-C_{16})$ -aralkylsulfamoyl, (C_1-C_{10}) -alkylsulfonamido, $N-((C_1-C_{10})$ -alkyl)- (C_1-C_{10}) alkylsulfonamido, (C_7-C_{16}) -aralkylsulfonamido, or N- $((C_1-C_{10})$ -alkyl- (C_7-C_{16}) aralkylsulfonamido; wherein radicals which are aryl or contain an aryl moiety, may be substituted on the aryl by one to five identical or different hydroxyl, halogen, cyano, trifluoromethyl, nitro, carboxyl, (C₁-C₁₂)-alkyl, (C₃-C₈)-cycloalkyl, (C₆-C₁₂)-aryl, (C₇- C_{16})-aralkyl, (C_1-C_{12}) -alkoxy, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) alkyl, (C_1-C_{12}) -alkoxy- $(C_1$ C_{12})alkoxy, (C_6 - C_{12})-aryloxy, (C_7 - C_{16})-aralkyloxy, (C_1 - C_8)-hydroxyalkyl, (C_1 - C_{12})alkylcarbonyl, (C_3-C_8) -cycloalkyl-carbonyl, (C_6-C_{12}) -arylcarbonyl, (C_7-C_{16}) aralkylcarbonyl, (C_1-C_{12}) -alkoxycarbonyl, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) -alkoxycarbonyl, (C_6-C_{12}) -aryloxycarbonyl, (C_7-C_{16}) -aralkoxycarbonyl, (C_3-C_8) -cycloalkoxycarbonyl, (C_2-C_{12}) -alkenyloxycarbonyl, (C_2-C_{12}) -alkynyloxycarbonyl, (C_1-C_{12}) -alkylcarbonyloxy, (C_3-C_8) -cycloalkylcarbonyloxy, (C_6-C_{12}) -arylcarbonyloxy, (C_7-C_{16}) -aralkylcarbonyloxy, cinnamoyloxy, (C_2-C_{12}) -alkenylcarbonyloxy, (C_2-C_{12}) -alkynylcarbonyloxy, (C_1-C_{12}) alkoxycarbonyloxy, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) -alkoxycarbonyloxy, (C_6-C_{12}) aryloxycarbonyloxy, (C₇-C₁₆)-aralkyloxycarbonyloxy, (C₃-C₈)-cycloalkoxycarbonyloxy, (C₂-C₁₂)-alkenyloxycarbonyloxy, (C₂-C₁₂)-alkynyloxycarbonyloxy, carbamoyl, N-(C₁-

 C_{12})-alkylcarbamoyl, N.N-di- (C_1-C_{12}) -alkylcarbamoyl, N- (C_3-C_8) -cycloalkylcarbamoyl, $N-(C_6-C_{12})$ -arylcarbamoyl, $N-(C_7-C_{16})$ -aralkylcarbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-(C_6-C_{12})$ arylcarbamoyl, N-(C₁-C₁₀)-alkyl-N-(C₇-C₁₆)-aralkylcarbamoyl, N-((C₁-C₁₀)-alkoxy-(C₁- C_{10})-alkyl)-carbamoyl, $N-((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) -alkyl)-carbamoyl, $N-((C_7-C_{16})$ aralkyloxy- (C_1-C_{10}) -alkyl)-carbamoyl, N- (C_1-C_{10}) -alkyl-N- $((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) alkyl)-carbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) -alkyl)-carbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_1)$ -aryloxy- $N-(C_1-C_1)$ -alkyl- $N-(C_1-C_1)$ -aryloxy- $N-(C_1$ (C_1-C_{10}) -alkyl-N- $((C_7-C_{16})$ -aralkyloxy- (C_1-C_{10}) -alkyl)-carbamoyl, carbamoyloxy, N- (C_1-C_{10}) -alkyl-N- $((C_7-C_{16})$ -aralkyloxy- (C_7-C_{10}) -alkyl)-carbamoyl, carbamoyloxy, N- (C_7-C_{10}) -alkyl-N- $((C_7-C_{16})$ -aralkyloxy- (C_7-C_{10}) -alkyl)-carbamoyl, carbamoyloxy, N- (C_7-C_{10}) -alkyl-N- $((C_7-C_{16})$ -aralkyloxy- (C_7-C_{10}) -alkyl)-carbamoyl, carbamoyloxy, N- (C_7-C_{10}) -alkyl-N- $((C_7-C_{16})$ -aralkyloxy- (C_7-C_{10}) -alkyl)-carbamoyl C₁₂)-alkylcarbamoyloxy, N.N-di-(C₁-C₁₂)-alkylcarbamoyloxy, N-(C₃-C₈)cycloalkylcarbamoyloxy, N-(C₆-C₁₂)-arylcarbamoyloxy, N-(C₇-C₁₆)aralkylcarbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-(C_6-C_{12})$ -arylcarbamoyloxy, $N(C_1-C_{10})$ -alkyl- $N-(C_7-C_{16})$ -aralkylcarbamoyloxy, $N-((C_1-C_{10})$ -alkyl)-carbamoyloxy, $N-((C_6-C_{12})$ aryloxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, N- $((C_7-C_{16})$ -aralkyloxy- (C_1-C_{10}) -alkyl)carbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_1)$ -alky (C_1-C_{10}) -alkyl-N- $((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, N- (C_1-C_{10}) -alkyl-N-((C₇-C₁₆)-aralkyloxy-(C₁-C₁₀)-alkyl)-carbamoyloxy, amino, (C₁-C₁₂)-alkylamino, di-(C₁-C₁₂)-alkylamino, (C₃-C₈)-cycloalkylamino, (C₃-C₁₂)-alkenylamino, (C₃-C₁₂)alkynylamino, N-(C₆-C₁₂)-arylamino, N-(C₇-C₁₁)-aralkylamino, N-alkylaralkylamino, Nalkyl-arylamino, (C₁-C₁₂)-alkoxyamino, (C₁-C₁₂)-alkoxy-N-(C₁-C₁₀)-alkylamino, (C₁- C_{12})-alkylcarbonylamino, (C_3 - C_8)-cycloalkylcarbonylamino, (C_6 - C_{12})arylcarbonylamino, (C₇-C₁₆)-alkylcarbonylamino, (C₁-C₁₂)-alkylcarbonyl-N-(C₁-C₁₀)alkylamino, (C₃-C₈)-cycloalkylcarbonyl-N-(C₁-C₁₀)-alkylamino, (C₆-C₁₂)-arylcarbonyl- $N-(C_1-C_{10})$ -alkylamino, (C_7-C_{11}) -aralkylcarbonyl- $N-(C_1-C_{10})$ -alkylamino, (C_1-C_{12}) alkylcarbonylamino-(C₁-C₈)-alkyl, (C₃-C₈)-cycloalkylcarbonylamino-(C₁-C₈)-alkyl, (C₆-C₁₂)-arylcarbonylamino-(C₁-C₈)-alkyl, (C₇-C₁₆)-aralkylcarbonylamino-(C₁-C₈)-alkyl, amino- (C_1-C_{10}) -alkyl, N- (C_1-C_{10}) -alkylamino- (C_1-C_{10}) alkyl, N.N-di- (C_1-C_{10}) -alkylamino- (C_1-C_{10}) -alkyl, (C_3-C_8) -cycloalkylamino- (C_1-C_{10}) -alkyl, (C_1-C_{12}) -alkylmercapto, (C_1-C_{10}) -alkyl, (C_1-C_{12}) -alkylmercapto, (C_1-C_{10}) -alkyl, (C_1-C_{12}) -alkylmercapto, (C_1-C_{10}) -alkyl, (C_1-C_{12}) -alkylmercapto, (C_1-C_{10}) -al C₁₂)-alkylsulfinyl, (C₁-C₁₂)-alkylsulfonyl, (C₆-C₁₂)-arylmercapto, (C₆-C₁₂)-arylsulfinyl,

 (C_6-C_{12}) -arylsulfonyl, (C_7-C_{16}) -aralkylmercapto, (C_7-C_{16}) -aralkylsulfonyl;

X is O or S;

Q is O, S, NR', or a bond;

where, if Q is a bond, R⁴ is halogen, nitrile, or trifluoromethyl;

or where, if Q is O, S, or NR', R⁴ is hydrogen, (C_1-C_{10}) -alkyl radical, (C_2-C_{10}) -alkenyl radical, (C_2-C_{10}) -alkynyl radical, wherein alkenyl or alkynyl radical contains one or two C-C multiple bonds; unsubstituted fluoroalkyl radical of the formula -[CH₂]_x-C_fH_(2f+1-g)-F_g, (C_1-C_8) -alkoxy- (C_1-C_6) -alkyl radical, (C_1-C_6) -alkoxy- (C_1-C_4) -alkoxy- (C_1-C_4) -alkyl radical, aryl radical, heteroaryl radical, (C_7-C_{11}) -aralkyl radical, or a radical of the formula Z

$$-[CH_2]_v-[O]_w-[CH_2]_t-E$$
 (Z)

where

E is a heteroaryl radical, a (C₃-C₈)-cycloalkyl radical, or a phenyl radical of the formula F

$$R^7$$
 R^8 R^9 R^{11} R^{10}

v is 0-6,

w is 0 or 1,

t is 0-3, and

 R^7 , R^8 , R^9 , R^{10} , and R^{11} are identical or different and are hydrogen, halogen, cyano, nitro, trifluoromethyl, (C_1 - C_6)-alkyl, (C_3 - C_8)-cycloalkyl, (C_1 - C_6)-alkoxy, -O-[CH₂]_x-

 $C_fH_{(2f+1-g)}-F_g$, $-OCF_2-CI$, $-O-CF_2-CHFCI$, (C_1-C_6) -alkylmercapto, (C_1-C_6) -hydroxyalkyl, (C_1-C_6) -alkoxy- (C_1-C_6) -alkoxy, (C_1-C_6) -alkoxy- (C_1-C_6) -alkyl, (C_1-C_6) -alkylsulfinyl, (C_1-C_6) -alkylsulfiny C₆)-alkylsulfonyl, (C₁-C₆)-alkylcarbonyl, (C₁-C₈)-alkoxycarbonyl, carbamoyl, N-(C₁- C_8)-alkylcarbamoyl, N,N-di-(C_1 - C_8)-alkylcarbamoyl, or (C_7 - C_{11})-aralkylcarbamoyl, optionally substituted by fluorine, chlorine, bromine, trifluoromethyl, (C₁-C₆)-alkoxy, $N-(C_3-C_8)$ -cycloalkylcarbamoyl, $N-(C_3-C_8)$ -cycloalkyl- (C_1-C_4) -alkylcarbamoyl, (C_1-C_6) alkylcarbonyloxy, phenyl, benzyl, phenoxy, benzyloxy, NRYRZ wherein Ry and Rz are independently selected from hydrogen, (C₁-C₁₂)-alkyl, (C₁-C₀)-alkoxy-(C₁-C₀)-alkyl, (C_7-C_{12}) -aralkoxy- (C_1-C_8) -alkyl, (C_6-C_{12}) -aryloxy- (C_1-C_8) -alkyl, (C_3-C_{10}) -cycloalkyl, (C_3-C_{10}) -aryloxy- (C_1-C_8) -alkyl, (C_3-C_{10}) -cycloalkyl, (C_3-C_{10}) -aryloxy- (C_1-C_8) -alkyl, (C_3-C_{10}) -aryloxy- (C_1-C_1) -aryloxy- $(C_1$ C_{12})-alkenyl, (C_3 - C_{12})-alkynyl, (C_6 - C_{12})-aryl, (C_7 - C_{11})-aralkyl, (C_1 - C_{12})-alkoxy, (C_7 - C_{12})aralkoxy, (C_1 - C_{12})-alkylcarbonyl, (C_3 - C_8)-cycloalkylcarbonyl, (C_6 - C_{12}) arylcarbonyl, (C₇-C₁₆)-aralkylcarbonyl; or further wherein R^y and R^z together are -[CH2]_h, in which a CH₂ group can be replaced by O, S, N-(C_1 - C_4)alkylcarbonylimino, or N-(C₁-C₄)-alkoxycarbonylimino; phenylmercapto, phenylsulfonyl, phenylsulfinyl, sulfamoyl, N-(C₁-C₈)-alkylsulfamoyl, or N, N-di-(C₁-C₈)alkylsulfamoyl; or alternatively R⁷ and R⁸, R⁸ and R⁹, R⁹ and R¹⁰, or R¹⁰ and R¹¹, together are a chain selected from -[CH₂]_n- or -CH=CH-CH=CH-, where a CH₂ group of the chain is optionally replaced by O, S, SO, SO₂, or NR^Y; and n is 3, 4, or 5; and if E is a heteroaryl radical, said radical can carry 1-3 substituents selected from those defined for R⁷-R¹¹, or if E is a cycloalkyl radical, the radical can carry one substituent selected from those defined for R⁷-R¹¹;

or where, if Q is NR', R⁴ is alternatively R", where R' and R" are identical or different and are hydrogen, (C_6-C_{12}) -aryl, (C_7-C_{11}) -aralkyl, (C_1-C_8) -alkyl, (C_1-C_8) -alkylcarbonyl, or optionally substituted (C_1-C_1) -aralkylcarbonyl, or optionally substituted (C_1-C_1) -arylcarbonyl; or R' and R" together are (C_1-C_1) -alkoxycarbonylimino, and h is 3 to 7;

Y is N or CR³;

R¹, R² and R³ are identical or different and are hydrogen, hydroxyl, halogen, cyano, trifluoromethyl, nitro, carboxyl, (C₁-C₂₀)-alkyl, (C₃-C₈)-cycloalkyl, (C₃-C₈)cycloalkyl- (C_1-C_{12}) -alkyl, (C_3-C_8) -cycloalkoxy, (C_3-C_8) -cycloalkyl- (C_1-C_{12}) -alkoxy, (C_3-C_8) cycloalkyloxy-(C₁-C₁₂)-alkyl, (C₃-C₈)-cycloalkyloxy-(C₁-C₁₂)-alkoxy, (C₃-C₈)-cycloalkyl- (C_1-C_8) -alkyl- (C_1-C_6) -alkoxy, (C_3-C_8) -cycloalkyl- (C_1-C_8) -alkoxy- (C_1-C_6) -alkyl, (C_3-C_8) cycloalkyloxy- (C_1-C_8) -alkoxy- (C_1-C_6) -alkyl, (C_3-C_8) -cycloalkoxy- (C_1-C_8) -alkoxy- (C_1-C_8) -alky- (C_1-C_8) -alky-(C_8)-alkoxy, (C_6-C_{12}) -aryl, (C_7-C_{16}) -aralkyl, (C_7-C_{16}) -aralkenyl, (C_7-C_{16}) -aralkynyl, (C_2-C_{16}) -aralkynyl, (C_7-C_{16}) -aralkynyl, $(C_7-C_{$ C_{20})-alkenyl, (C_2-C_{20}) -alkynyl, (C_1-C_{20}) -alkoxy, (C_2-C_{20}) -alkenyloxy, (C_2-C_{20}) alkynyloxy, retinyloxy, (C_1-C_{20}) -alkoxy- (C_1-C_{12}) -alkyl, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) -alkoxy, (C_1-C_{12}) -alkoxy- (C_1-C_8) -alkoxy- (C_1-C_8) -alkyl, (C_6-C_{12}) -aryloxy, (C_7-C_{16}) -aralkyloxy, (C_6-C_{12}) -aryloxy- (C_1-C_6) -alkoxy, (C_7-C_{16}) -aralkoxy- (C_1-C_6) -alkoxy, (C_1-C_{16}) hydroxyalkyl, (C_6-C_{16}) -aryloxy- (C_1-C_8) -alkyl, (C_7-C_{16}) -aralkoxy- (C_1-C_8) -alkyl, (C_6-C_{12}) aryloxy- (C_1-C_8) -alkoxy- (C_1-C_6) -alkyl, (C_7-C_{12}) -aralkyloxy- (C_1-C_8) -alkoxy- (C_1-C_6) -alkyl, (C_2-C_{20}) -alkenyloxy- (C_1-C_6) -alkyl, (C_2-C_{20}) -alkynyloxy- (C_1-C_6) -alkyl, retinyloxy- (C_1-C_6) alkyl, $-O-[CH_2]_xCfH_{(2f+1-\alpha)}F_\alpha$, $-OCF_2Cl$, $-OCF_2-CHFCl$, (C_1-C_{20}) -alkylcarbonyl, (C_3-C_8) cycloalkylcarbonyl, (C₆-C₁₂)-arylcarbonyl, (C₇-C₁₆)-aralkylcarbonyl, cinnamoyl, (C₂-C₂₀)-alkenylcarbonyl, (C₂-C₂₀)-alkynylcarbonyl, (C₁-C₂₀)-alkoxycarbonyl, (C₁-C₁₂)alkoxy- (C_1-C_{12}) -alkoxycarbonyl, (C_6-C_{12}) -aryloxycarbonyl, (C_7-C_{16}) -aralkoxycarbonyl, (C₃-C₈)-cycloalkoxycarbonyl, (C₂-C₂₀)-alkenyloxycarbonyl, retinyloxycarbonyl, (C₂-C₂₀)-alkynyloxycarbonyl, (C₆-C₁₂)-aryloxy-(C₁-C₆)-alkoxycarbonyl, (C₇-C₁₆)-aralkoxy- (C_1-C_6) -alkoxycarbonyl, (C_3-C_8) -cycloalkyl- (C_1-C_6) -alkoxycarbonyl, (C_3-C_8) cycloalkoxy- (C_1-C_6) -alkoxycarbonyl, (C_1-C_{12}) -alkylcarbonyloxy, (C_3-C_8) cycloalkylcarbonyloxy, (C_6-C_{12}) -arylcarbonyloxy, (C_7-C_{16}) -aralkylcarbonyloxy, cinnamoyloxy, (C₂-C₁₂)-alkenylcarbonyloxy, (C₂-C₁₂)-alkynylcarbonyloxy, (C₁-C₁₂)alkoxycarbonyloxy, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) -alkoxycarbonyloxy, (C_6-C_{12}) -

aryloxycarbonyloxy, (C_7-C_{16}) -aralkyloxycarbonyloxy, (C_3-C_8) -cycloalkoxycarbonyloxy, (C₂-C₁₂)-alkenyloxycarbonyloxy, (C₂-C₁₂)-alkynyloxycarbonyloxy, carbamoyl, N-(C₁-C₁₂)-alkylcarbamoyl, N,N-di-(C₁-C₁₂)-alkylcarbamoyl, N-(C₃-C₈)-cycloalkylcarbamoyl, N,N-dicyclo- (C_3-C_8) -alkylcarbamoyl, N- (C_1-C_{10}) -alkyl-N- (C_3-C_8) -cycloalkylcarbamoyl, $N-((C_3-C_8)-cycloalkyl-(C_1-C_6)-alkyl)-carbamoyl, N-(C_1-C_6)-alkyl-N-((C_3-C_8)-cycloalkyl-C_1-C_8)-alkyl-N-((C_3-C_8)-cycloalkyl-$ (C₁-C₆)-alkyl)-carbamoyl, N-(+)-dehydroabietylcarbamoyl, N-(C₁-C₆)-alkyl-N-(+)dehydroabietylcarbamoyl, N-(C₆-C₁₂)-arylcarbamoyl, N-(C₇-C₁₆)-aralkylcarbamoyl, N- (C_1-C_{10}) -alkyl-N- (C_6-C_{16}) -arylcarbamoyl, N- (C_1-C_{10}) -alkyl-N- (C_7-C_{16}) -aralkylcarbamoyl, $N-((C_1-C_{18})-alkoxy-(C_1-C_{10})-alkyl)-carbamoyl, N-((C_6-C_{16})-aryloxy-(C_1-C_{10})-alkyl)$ carbamoyl, $N-((C_7-C_{16})-aralkyloxy-(C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl-N-((C_1-C_{10})-alkyl)-carbamoyl, N-(C_1-C_{10})-alkyl-N-((C_1-C_1-C_{10})-alkyl-N-((C_1-C_1-C_1)-alkyl-N-((C_1-C_1$ C_{10})-alkoxy- (C_1-C_{10}) -alkyl)-carbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) alkyl)-carbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-((C_7-C_{16})$ -aralkyloxy- (C_1-C_{10}) -alkyl)-carbamoyl; CON(CH₂)_h, in which a CH₂ group can be replaced by O, S, N-(C₁-C₈)-alkylimino, N- (C_3-C_8) -cycloalkylimino, $N-(C_3-C_8)$ -cycloalkyl- (C_1-C_4) -alkylimino, $N-(C_6-C_{12})$ -arylimino, $N-(C_7-C_{16})$ -aralkylimino, $N-(C_1-C_4)$ -alkoxy- (C_1-C_6) -alkylimino, and h is from 3 to 7; a carbamoyl radical of the formula R

$$-CO = \begin{bmatrix} R^{X} \\ R^{V} \\ O \end{bmatrix} - T \qquad (R)$$

in which

 R^x and R^v are each independently selected from hydrogen, (C₁-C₆)-alkyl, (C₃-C₇)-cycloalkyl, or aryl,

s is 1-5,

T is OH, or NR*R**, and R*, R** and R*** are identical or different and are selected from hydrogen, (C_6-C_{12}) -aryl, (C_7-C_{11}) -aralkyl, (C_1-C_8) -alkyl, (C_3-C_8) -cycloalkyl, (+)-

dehydroabietyl, (C_1-C_8) -alkoxy- (C_1-C_8) -alkyl, (C_7-C_{12}) -aralkoxy- (C_1-C_8) -alkyl, (C_6-C_{12}) -aryloxy- (C_1-C_8) -alkyl, (C_1-C_{10}) -alkanoyl, optionally substituted (C_7-C_{16}) -aralkanoyl, optionally substituted (C_6-C_{12}) -aroyl; or R* and R** together are -[CH₂]_h, in which a CH₂ group can be replaced by O, S, SO, SO₂, N-acylamino, N- (C_1-C_{10}) -alkoxycarbonylimino, N- (C_1-C_8) -alkylimino, N- (C_3-C_8) -cycloalkylimino, N- (C_3-C_8) -cycloalkyl- (C_1-C_4) -alkylimino, N- (C_6-C_{12}) -arylimino, N- (C_7-C_{16}) -aralkylimino, N- (C_1-C_4) -alkylimino, and h is from 3 to 7;

carbamoyloxy, N-(C₁-C₁₂)-alkylcarbamoyloxy, N,N-di-(C₁-C₁₂)-alkylcarbamoyloxy, N-(C₃-C₈)-cycloalkylcarbamoyloxy, N-(C₆-C₁₂)-arylcarbamoyloxy, N-(C₇-c₁₆)aralkylcarbamoyloxy, N-(C₁-C₁₀)-alkyl-N-(C₆-C₁₂)-arylcarbamoyloxy, N-(C₁-C₁₀)-alkyl- $N-(C_7-C_{16})$ -aralkylcarbamoyloxy, $N-((C_1-C_{10})$ -alkyl)-carbamoyloxy, $N-((C_6-C_{12})$ aryloxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, N- $((C_7-C_{16})$ -aralkyloxy- (C_1-C_{10}) -alkyl)carbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_{10})$ -alkyl- $N-(C_1-C_1)$ -alkyl- (C_1-C_{10}) -alkyl-N- $((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) -alkyl)-carbamoyloxy, N- (C_1-C_{10}) -alkyl-N-((C₇-C₁₆)-aralkyloxy-(C₁-C₁₀)-alkyl)-carbamoyloxyamino, (C₁-C₁₂)-alkylamino, di-(C₁-C₁₂)-alkylamino, (C₃-C₈)-cycloalkylamino, (C₃-C₁₂)-alkenylamino, (C₃-C₁₂)alkynylamino, N-(C₆-C₁₂)-arylamino, N-(C₇-C₁₁)-aralkylamino, N-alkyl-aralkylamino, N-alkyl-arylamino, (C₁-C₁₂)-alkoxyamino, (C₁-C₁₂)-alkoxy-N-(C₁-C₁₀)-alkylamino, (C₁-C₁₀)-alkylamino, (C₁-C₁₀-C₁₀)-alkylamino, (C₁-C₁₀-C₁₀-C₁₀-C₁₀-C₁₀-C₁₀-C₁₀-C₁₂)-alkanoylamino, (C₃-C₈)-cycloalkanoylamino, (C₆-C₁₂)-aroylamino, (C₇-C₁₆)aralkanoylamino, (C₁-C₁₂)-alkanoyl-N-(C₁-C₁₀)-alkylamino, (C₃-C₈)-cycloalkanoyl-N- (C_1-C_{10}) -alkylamino, (C_6-C_{12}) -aroyl-N- (C_1-C_{10}) -alkylamino, (C_7-C_{11}) -aralkanoyl-N- (C_1-C_{10}) -alkylamino, (C_7-C_{11}) -aralkanoyl-N- (C_7-C_{11}) -C₁₀)-alkylamino, (C₁-C₁₂)-alkanoylamino-(C₁-C₈)-alkyl, (C₃-C₈)-cycloalkanoylamino- (C_1-C_8) -alkyl, (C_6-C_{12}) -aroylamino- (C_1-C_8) -alkyl, (C_7-C_{16}) -aralkanoylamino- (C_1-C_8) alkyl, amino- (C_1-C_{10}) -alkyl, N- (C_1-C_{10}) -alkylamino- (C_1-C_{10}) -alkyl, N,N-di (C_1-C_{10}) alkylamino- (C_1-C_{10}) -alkyl, (C_3-C_8) -cycloalkylamino (C_1-C_{10}) -alkyl, (C_1-C_{20}) alkylmercapto, (C_1-C_{20}) -alkylsulfinyl, (C_1-C_{20}) -alkylsulfonyl, (C_6-C_{12}) -arylmercapto, (C_6-C_{12}) -arylsulfinyl, (C_6-C_{12}) -arylsulfonyl, (C_7-C_{16}) -aralkylmercapto, (C_7-C_{16}) -

aralkylsulfinyl, (C_7-C_{16}) -aralkylsulfonyl, (C_1-C_{12}) -alkylmercapto- (C_1-C_6) -alkyl, (C_1-C_{12}) alkylsulfinyl-(C₁-C₆)-alkyl, (C₁-C₁₂)-alkylsulfonyl-(C₁-C₆)-alkyl, (C₆-C₁₂)-arylmercapto- (C_1-C_6) -alkyl, (C_6-C_{12}) -arylsulfinyl- (C_1-C_6) -alkyl, (C_6-C_{12}) -arylsulfonyl- (C_1-C_6) -alkyl, (C_7-C_{16}) -aralkylmercapto- (C_1-C_6) -alkyl, (C_7-C_{16}) -aralkylsulfinyl- (C_1-C_6) -alkyl, (C_7-C_{16}) aralkylsulfonyl- (C_1-C_6) -alkyl, sulfamoyl, N- (C_1-C_{10}) -alkylsulfamoyl, N,N-di- (C_1-C_{10}) alkylsulfamoyl, (C₃-C₈)-cycloalkylsulfamoyl, N-(C₆-C₁₂)-arylsulfamoyl, N-(C₇-C₁₆)aralkylsulfamoyl, N- (C_1-C_{10}) -alkyl-N- (C_6-C_{12}) -arylsulfamoyl, N- (C_1-C_{10}) -alkyl-N- (C_7-C_{10}) - C_{16})-aralkylsulfamoyl, (C_1 - C_{10})-alkylsulfonamido, N-((C_1 - C_{10})-alkyl)-(C_1 - C_{10})alkylsulfonamido, (C₇-C₁₆)-aralkylsulfonamido, and N-((C₁-C₁₀)-alkyl-(C₇-C₁₆)aralkylsulfonamido; where an aryl radical may be substituted by 1 to 5 substituents selected from hydroxyl, halogen, cyano, trifluoromethyl, nitro, carboxyl, (C₂-C₁₆)-alkyl, (C_3-C_8) -cycloalkyl, (C_3-C_8) -cycloalkyl- (C_1-C_{12}) -alkyl, (C_3-C_8) -cycloalkoxy, (C_3-C_8) cycloalkyl- (C_1-C_{12}) -alkoxy, (C_3-C_8) -cycloalkyloxy- (C_1-C_{12}) -alkyl, (C_3-C_8) -cycloalkyloxy- (C_1-C_{12}) -alkoxy, (C_3-C_8) -cycloalkyl- (C_1-C_8) -alkyl- (C_1-C_6) -alkoxy, (C_3-C_8) -cycloalkyl (C_1-C_8) -alkyl- (C_1-C_8) -alkyl- (C_1-C_8) -alkyl- (C_1-C_8) -alkoxy, (C_3-C_8) -cycloalkyl (C_1-C_8) -alkyl- (C_1-C_8) - $(C_1-C$ C_8)-alkoxy- (C_1-C_6) -alkyl, (C_3-C_8) -cycloalkyloxy- (C_1-C_8) -alkoxy- (C_1-C_6) -alkyl, (C_3-C_8) cycloalkoxy- (C_1-C_8) -alkoxy- (C_1-C_8) -alkoxy, (C_6-C_{12}) -aryl, (C_7-C_{16}) -aralkyl, (C_2-C_{16}) alkenyl, (C_2-C_{12}) -alkynyl, (C_1-C_{16}) -alkoxy, (C_1-C_{16}) -alkenyloxy, (C_1-C_{12}) -alkoxy- (C_1-C_{16}) - (C_1-C_{16}) -alkoxy- (C_1-C_{16}) -alkoxy- (C_1-C_{16}) - $(C_1-C_$ C_{12})-alkoy, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) -alkoxy, (C_1-C_{12}) -alkoxy, (C_1-C_{12}) -alkoxy- (C_1-C_1) -alkoxyalkyl, (C_6-C_{12}) -aryloxy, (C_7-C_{16}) -aralkyloxy, (C_6-C_{12}) -aryloxy- (C_1-C_6) -alkoxy, (C_7-C_{16}) aralkoxy- (C_1-C_6) -alkoxy, (C_1-C_8) -hydroxyalkyl, (C_6-C_{16}) -aryloxy- (C_1-C_8) -alkyl, (C_7-C_{16}) aralkoxy- (C_1-C_8) -alkyl, (C_6-C_{12}) -aryloxy- (C_1-C_8) -alkoxy- (C_1-C_6) -alkyl, (C_7-C_{12}) $aralkyloxy-(C_1-C_8)-alkoxy-(C_1-C_6)-alkyl, -O-[CH_2]_xC_fH_{(2f+1-a)}F_q, -OCF_2CI, -OCF_2-CHFCI,$ (C₁-C₁₂)-alkylcarbonyl, (C₃-C₈)-cycloalkylcarbonyl, (C₆-C₁₂)-arylcarbonyl, (C₇-C₁₆)aralkylcarbonyl, (C_1-C_{12}) -alkoxycarbonyl, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) -alkoxycarbonyl, (C_6-C_{12}) -aryloxycarbonyl, (C_7-C_{16}) -aralkoxycarbonyl, (C_3-C_8) -cycloalkoxycarbonyl, (C_2-C_{12}) -alkenyloxycarbonyl, (C_2-C_{12}) -alkynyloxycarbonyl, (C_6-C_{12}) -aryloxy- (C_1-C_6) alkoxycarbonyl, (C_7-C_{16}) -aralkoxy- (C_1-C_6) -alkoxycarbonyl, (C_3-C_8) -cycloalkyl- (C_1-C_6) alkoxycarbonyl, (C_3-C_8) -cycloalkoxy- (C_1-C_6) -alkoxycarbonyl, (C_1-C_{12}) -

alkylcarbonyloxy, (C_3-C_8) -cycloalkylcarbonyloxy, (C_6-C_{12}) -arylcarbonyloxy, (C_7-C_{16}) aralkylcarbonyloxy, cinnamoyloxy, (C₂-C₁₂)-alkenylcarbonyloxy, (C₂-C₁₂)alkynylcarbonyloxy, (C_1-C_{12}) -alkoxycarbonyloxy, (C_1-C_{12}) -alkoxy- (C_1-C_{12}) alkoxycarbonyloxy, (C₆-C₁₂)-aryloxycarbonyloxy, (C₇-C₁₆)-aralkyloxycarbonyloxy, (C₃- C_8)-cycloalkoxycarbonyloxy, (C_2 - C_{12})-alkenyloxycarbonyloxy, (C_2 - C_{12})alkynyloxycarbonyloxy, carbamoyl, N-(C₁-C₁₂)-alkylcarbamoyl, N,N-di(C₁-C₁₂)alkylcarbamoyl, N-(C₃-C₈)-cycloalkylcarbamoyl, N,N-dicyclo-(C₃-C₈)-alkylcarbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-(C_3-C_8)$ -cycloalkylcarbamoyl, $N-((C_3-C_8)$ -cycloalkyl- (C_1-C_6) alkyl)carbamoyl, $N-(C_1-C_6)$ -alkyl- $N-((C_3-C_8)$ -cycloalkyl- (C_1-C_6) -alkyl)carbamoyl, N-(+)dehydroabietylcarbamoyl, N-(C₁-C₆)-alkyl-N-(+)-dehydroabietylcarbamoyl, N-(C₆-C₁₂)arylcarbamoyl, N-(C₇-C₁₆)-aralkylcarbamoyl, N-(C₁-C₁₀)-alkyl-N-(C₆-C₁₆)arylcarbamoyl, N-(C₁-C₁₀)-alkyl-N-(C₇-C₁₆)-aralkylcarbamoyl, N-((C₁-C₁₆)-alkoxy-(C₁- C_{10})-alkyl)carbamoyl, N-((C_6 - C_{16})-aryloxy-(C_1 - C_{10})-alkyl)carbamoyl, N-((C_7 - C_{16})aralkyloxy- (C_1-C_{10}) -alkyl)carbamoyl, N- (C_1-C_{10}) -alkyl-N- $((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) alkyl)carbamoyl, $N-(C_1-C_{10})$ -alkyl- $N-((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) -alkyl)carbamoyl, $N-(C_1-C_{10})$ C_{10})-alkyl-N-((C_7 - C_{16})-aralkyloxy-(C_1 - C_{10})-alkyl)-carbamoyl, CON(CH₂)_h, in which a CH₂ group can be replaced by, O, S, N-(C₁-C₈)-alkylimino, N-(C₃-C₈)-cycloalkylimino, $N-(C_3-C_8)$ -cycloalkyl- (C_1-C_4) -alkylimino, $N-(C_6-C_{12})$ -arylimino, $N-(C_7-C_{16})$ -aralkylimino, $N-(C_1-C_4)$ -alkoxy- (C_1-C_6) -alkylimino, and h is from 3 to 7; carbamoyloxy, $N-(C_1-C_{12})$ alkylcarbamoyloxy, N,N-di-(C₁-C₁₂)-alkylcarbamoyloxy, N-(C₃-C₈)cycloalkylcarbamoyloxy, N-(C₆-C₁₆)-arylcarbamoyloxy, N-(C₇-C₁₆)aralkylcarbamoyloxy, N-(C₁-C₁₀)-alkyl-N-(C₆-C₁₂)-arylcarbamoyloxy, N-(C₁-C₁₀)-alkyl- $N-(C_7-C_{16})$ -aralkylcarbamoyloxy, $N-((C_1-C_{10})$ -alkyl)carbamoyloxy, $N-((C_6-C_{12})$ -aryloxy- (C_1-C_{10}) -alkyl)carbamoyloxy, N- $((C_7-C_{16})$ -aralkyloxy- (C_1-C_{10}) -alkyl)carbamoyloxy, N- (C_1-C_{10}) -alkyl-N- $((C_1-C_{10})$ -alkoxy- (C_1-C_{10}) -alkyl)carbamoyloxy, N- (C_1-C_{10}) -alkyl-N- $((C_6-C_{12})-aryloxy-(C_1-C_{10})-alkyl)$ carbamoyloxy, N- $(C_1-C_{10})-alkyl-N-((C_7-C_{16})-alkyl)$ aralkyloxy-(C₁-C₁₀)-alkyl)carbamoyloxy, amino, (C₁-C₁₂)-alkylamino, di-(C₁-C₁₂)alkylamino, (C₃-C₈)-cycloalkylamino, (C₃-C₁₂)-alkenylamino, (C₃-C₁₂)-alkynylamino,

 $N-(C_6-C_{12})-arylamino,\ N-(C_7-C_{11})-aralkylamino,\ N-alkyl-aralkylamino,\ N-alkyl-arylamino,\ (C_1-C_{12})-alkoxyamino,\ (C_1-C_{12})-alkoxy-N-(C_1-C_{10})-alkylamino,\ (C_1-C_{12})-alkanoylamino,\ (C_3-C_8)-cycloalkanoylamino,\ (C_6-C_{12})-aroylamino,\ (C_7-C_{16})-aralkanoylamino,\ (C_1-C_{12})-alkanoyl-N-(C_1-C_{10})-alkylamino,\ (C_3-C_8)-cycloalkanoyl-N-(C_1-C_{10})-alkylamino,\ (C_6-C_{12})-aroyl-N-(C_1-C_{10})-alkylamino,\ (C_7-C_{11})-aralkanoyl-N-(C_1-C_{10})-alkylamino,\ (C_1-C_{12})-alkanoylamino-(C_1-C_8)-alkyl,\ (C_3-C_8)-cycloalkanoylamino-(C_1-C_8)-alkyl,\ (C_6-C_{12})-aroylamino-\ (C_1-C_8)-alkyl,\ (C_7-C_{16})-aralkanoylamino-(C_1-C_{10})-alkyl,\ N,N-di-(C_1-C_{10})-alkyl,\ amino-(C_1-C_{10})-alkyl,\ N-(C_1-C_{10})-alkylamino-(C_1-C_{10})-alkyl,\ (C_3-C_8)-cycloalkylamino-(C_1-C_{10})-alkyl,\ (C_1-C_{12})-alkylamino-(C_1-C_{10})-alkyl,\ (C_6-C_{16})-arylmercapto,\ (C_6-C_{16})-arylsulfinyl,\ (C_6-C_{16})-arylsulfinyl,\ (C_7-C_{16})-aralkylsulfinyl,\ (C$

or wherein R^1 and R^2 , or R^2 and R^3 form a chain $[CH_2]_0$, which is saturated or unsaturated by a C=C double bond, in which 1 or 2 CH₂ groups are optionally replaced by O, S, SO, SO₂, or NR', and R' is hydrogen, (C_6-C_{12}) -aryl, (C_1-C_8) -alkyl, (C_1-C_8) -alkyl, optionally substituted (C_1-C_1) -aralkanoyl, or optionally substituted (C_1-C_1) -aroyl; and o is 3, 4 or 5;

or wherein the radicals R¹ and R², or R² and R³, together with the pyridine or pyridazine carrying them, form a 5,6,7,8-tetrahydroisoquinoline ring, a 5,6,7,8-tetrahydrocinnoline ring;

or wherein R¹ and R², or R² and R³ form a carbocyclic or heterocyclic 5- or 6membered aromatic ring;

or where R¹ and R², or R² and R³, together with the pyridine or pyridazine carrying them, form an optionally substituted heterocyclic ring systems selected from thienopyridines, furanopyridines, pyridopyridines, pyrimidinopyridines,

imidazopyridines, thiazolopyridines, oxazolopyridines, quinoline, isoquinoline, and cinnoline;

or wherein the radicals R¹ and R², together with the pyridine carrying them, form a compound of Formula Id:

$$R^{26}$$
 R^{25} R^{27} R^{24} $Q-R^4$ $NH-A-B$

where V is S, O, or NR^k, and R^k is selected from hydrogen, (C₁-C₆)-alkyl, aryl, or benzyl; where an aryl radical may be optionally substituted by 1 to 5 substituents as defined above; and

 R^{24} , R^{25} , R^{26} , and R^{27} in each case independently of each other have the meaning of R^1 , R^2 and R^3 ;

f is 1 to 8;

g is 0 or 1 to (2f+1);

x is 0 to 3; and

h is 3 to 7;

including physiologically active salts thereof.

- 2. The compound of claim 1, for use of that claim, wherein the compound inhibits HIF prolyl hydroxylase.
- 3. The compound of claim 1 or claim 2, for use of that claim, wherein A is C₁-alkylene;

B is -CO₂H;

Q is O;

R⁴ is hydrogen;

X is 0;

Y is CR3;

and R¹, R² and R³ are as defined above;

including physiologically active salts derived thereof.

- 4. The compound of any one of claims 1-3, for use of that claim, wherein the compound is a structural mimetic of 2-oxoglutarate.
- <u>2-5</u>. The compound of claim 1 for the use of that claim, wherein the anemia is associated with chronic kidney disease.
- 3-6. The compound of claim 1 for the use of that claim, wherein the anemia is associated with acute kidney disease.
- 4-<u>7</u>. The compound of claim 1 for the use of that claim, wherein the anemia is associated with chronic renal failure.
- 5-8. The compound of claim 1 for the use of that claim, wherein the anemia is associated with post-ischemic acute renal failure.
- 6-9. The compound of claim 1 for the use of that claim, wherein the subject is a subject having or at risk for anemia due to kidney dialysis.
- 7–10. The compound of claim 1 for the use of that claim, wherein the anemia is associated with polycystic kidney disease.
- 8-11. The compound of any preceding claim for the use of that claim, wherein the compound is for oral administration.

9-12. The compound according to any preceding claim for the use of that claim, wherein R² and R³, together with the pyridine carrying them, form an optionally substituted quinoline of formula (Ia):

$$R^{13}$$
 Q - R^4
 R^{14}
 R^{15}
 Q - R^4
 R^{15}
 Q - R^4

and the substituents R^{12} to R^{15} in each case independently of each other have the meaning of R^1 , R^2 and R^3 .

40-13. The compound according to any one of claims 1-8-11 for the use of that claim, wherein R¹ and R², together with the pyridine carrying them, form an optionally substituted isoquinoline of formula (Ib):

and the substituents R^{16} to R^{19} in each case independently of each other have the meaning of R^1 , R^2 and R^3 .

41-14. The compound according to any one of claims 1-8-11 for the use of that claim, wherein R¹ and R², together with the pyridazine carrying them, form an optionally substituted cinnoline of formula (Ic):

and the substituents R^{20} to R^{23} in each case independently of each other have the meaning of R^1 , R^2 and R^3 .