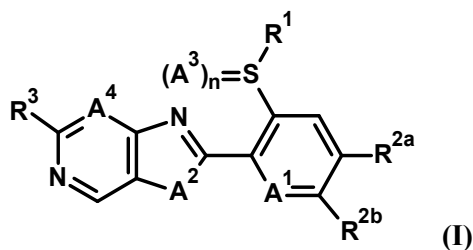


Reivindicaciones

1. Compuestos de la fórmula (I)



en los cuales

5 A^1 representa nitrógeno, $=N^+-O^-$ o $=C-R^4$,

A^2 representa $-N-R^5$, oxígeno o azufre,

A^3 representa oxígeno,

A^4 representa nitrógeno, $=N^+-O^-$ o $=C-R^4$,

10 R^1 representa (C₁-C₆)alquilo, (C₁-C₆)haloalquilo, (C₁-C₆)cianoalquilo, (C₁-C₆)hidroxialquilo,
 (C₁-C₆)alcoxi-(C₁-C₆)alquilo, (C₁-C₆)halógenoalcoxi-(C₁-C₆)alquilo, (C₂-C₆)alquenilo, (C₂-C₆)alqueniloxi-(C₁-C₆)alquilo,
 (C₂-C₆)halógenoalqueniloxi-(C₁-C₆)alquilo, (C₂-C₆)halógenoalquenilo, (C₂-C₆)cianoalquenilo, (C₂-C₆)alquinilo, (C₂-C₆)alquiniloxi-(C₁-C₆)alquilo,
 (C₂-C₆)halógenoalquiniloxi-(C₁-C₆)alquilo, (C₂-C₆)halógenoalquinilo, (C₂-C₆)cianoalquinilo, (C₃-C₈)cicloalquilo, (C₃-C₈)cicloalquilo-(C₃-C₈)cicloalquilo, (C₁-C₆)alquilo-
 15 (C₃-C₈)cicloalquilo, halógeno(C₃-C₈)cicloalquilo, amino, (C₁-C₆)alquiloamino, Di-(C₁-C₆)alquilo-amino, (C₃-C₈)cicloalquiloamino, (C₁-C₆)alquilocarbonil-amino, (C₁-C₆)alquiltio-(C₁-C₆)alquilo,
 (C₁-C₆)haloalquiltio-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfinil-(C₁-C₆)alquilo, (C₁-C₆)haloalquilsulfinil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfonil-(C₁-C₆)alquilo,
 20 (C₁-C₆)haloalquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquiltio-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfinil-(C₁-C₆)alquilo,
 (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alquilocarbonil-(C₁-C₆)alquilo, (C₁-C₆)haloalquilocarbonil-(C₁-C₆)alquilo,
 (C₁-C₆)alcoxycarbonil-(C₁-C₆)alquilo, (C₁-C₆)halógenoalcoxycarbonil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfonilamino, aminosulfinil-(C₁-C₆)alquilo,
 25 (C₁-C₆)alquiloaminosulfinil-(C₁-C₆)alquilo, Di-(C₁-C₆)alquilo-aminosulfinil-(C₁-C₆)alquilo,

o representa en cada caso opcionalmente en forma simple o múltiple, idéntico o diferente (C₁-C₆)alquilo, (C₁-C₆)alcoxi, (C₂-C₆)alquenilo, (C₂-C₆)alquinilo, (C₃-C₈)cicloalquilo sustituido por arilo, heteroarilo o heterociclilo, donde arilo, heteroarilo o heterociclilo en cada caso opcionalmente

en forma simple o múltiple, idéntico o diferente pueden estar sustituido por halógeno, ciano, nitro, hidroxilo, amino, carboxi, carbamilo, aminosulfonilo, (C₁-C₆)alquilo, (C₃-C₆)cicloalquilo, (C₁-C₆)alcoxi, (C₁-C₆)haloalquilo, (C₁-C₆)halógenoalcoxi, (C₁-C₆)alquiltio, (C₁-C₆)alquilsulfonilo, (C₁-C₆)alquilsulfonilo, (C₁-C₆)alquilsulfimino, (C₁-C₆)alquilsulfimino-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfimino-(C₂-C₆)alquilocarbonilo, (C₁-C₆)alquilsulfoximino, (C₁-C₆)alquilsulfoximino-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfoximino-(C₂-C₆)alquilocarbonilo, (C₁-C₆)alcoxycarbonilo, (C₁-C₆)alquilocarbonilo, (C₃-C₆)trialquilosililo o bencilo, o

R¹ representa en cada caso opcionalmente en forma simple o múltiple, idéntico o diferente arilo, heteroarilo o heterociclilo sustituidos por halógeno, ciano, nitro, hidroxilo, amino, carboxi, carbamilo, (C₁-C₆)alquilo, (C₃-C₈)cicloalquilo, (C₁-C₆)-alcoxi, (C₁-C₆)haloalquilo, (C₁-C₆)halógenoalcoxi, (C₁-C₆)alquiltio, (C₁-C₆)alquilsulfinil, (C₁-C₆)alquilsulfonil, (C₁-C₆)alquilosulfimino, (C₁-C₆)alquilosulfimino-(C₁-C₆)alquilo, (C₁-C₆)alquilosulfimino-(C₂-C₆)alquilocarbonil, (C₁-C₆)alquilosulfoximino, (C₁-C₆)alquilosulfoximino-(C₁-C₆)alquilo, (C₁-C₆)alquilosulfoximino-(C₂-C₆)alquilocarbonil, (C₁-C₆)alcoxicarbonil, (C₁-C₆)alquilocarbonil, (C₃-C₆)trialquilosililo, (=O) (sólo en el caso de heterociclilo) o (=O)₂ (sólo en el caso de heterociclilo).

R^{2a}, R³ y R⁴ representan en forma independiente hidrógeno, ciano, halógeno, nitro, acetil, hidroxil, amino, SCN, Tri-(C₁-C₆)alquilosililo, (C₃-C₈)cicloalquilo, (C₃-C₈)cicloalquilo-(C₃-C₈)cicloalquilo, (C₁-C₆)alquilo-(C₃-C₈)cicloalquilo, halógeno(C₃-C₈)cicloalquilo, (C₁-C₆)alquilo, (C₁-C₆)haloalquilo, (C₁-C₆)cianoalquilo, (C₁-C₆)hidroxialquilo, hidroxycarbonil-(C₁-C₆)alcoxi, (C₁-C₆)alcoxycarbonil-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquilo, (C₂-C₆)alqueno, (C₂-C₆)halógenoalqueno, (C₂-C₆)cianoalqueno, (C₂-C₆)alquino, (C₂-C₆)halógenoalquino, (C₂-C₆)cianoalquino, (C₁-C₆)alcoxi, (C₁-C₆)halógenoalcoxi, (C₁-C₆)cianoalcoxi, (C₁-C₆)alcoxycarbonil-(C₁-C₆)alcoxi, (C₁-C₆)alcoxi-(C₁-C₆)alcoxi, (C₁-C₆)alquilohidroxiiimino, (C₁-C₆)alcoxiimino, (C₁-C₆)alquilo-(C₁-C₆)alcoxiimino, (C₁-C₆)haloalquilo-(C₁-C₆)alcoxiimino, (C₁-C₆)alquiltio, (C₁-C₆)haloalquiltio, (C₁-C₆)alcoxi-(C₁-C₆)alquiltio, (C₁-C₆)alquiltio-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfonil, (C₁-C₆)haloalquilsulfonil, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfonil, (C₁-C₆)alquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfonil, (C₁-C₆)haloalquilsulfonil, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfonil, (C₁-C₆)alquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfoniloxi, (C₁-C₆)alquilocarbonil, (C₁-C₆)alquiltiocarbonil, (C₁-C₆)haloalquilocarbonil, (C₁-C₆)alquilocarboniloxi, (C₁-C₆)alcoxycarbonil, (C₁-C₆)halógenoalcoxycarbonil, aminocarbonil, (C₁-C₆)alquiloaminocarbonil, (C₁-C₆)alquiloaminotiocarbonil, Di-(C₁-C₆)alquilo-aminocarbonil, Di-(C₁-C₆)alquilo-aminotiocarbonil, (C₂-C₆)alquenoaminocarbonil, Di-(C₂-C₆)alquenoaminocarbonil, (C₃-C₈)cicloalquiloaminocarbonil, (C₁-C₆)alquilsulfonilamino, (C₁-C₆)alquiloamino, Di-(C₁-C₆)alquiloamino, aminosulfonil, (C₁-C₆)alquiloaminosulfonil, Di-(C₁-C₆)alquilo-aminosulfonil, (C₁-C₆)alquilosulfoximino, aminotiocarbonil, (C₁-C₆)alquiloaminotiocarbonil, Di-(C₁-C₆)alquilo-aminotiocarbonil, (C₃-C₈)cicloalquiloamino,

NHCO-(C₁-C₆)alquilo ((C₁-C₆)alquilocarbonilamino),

representa en cada caso opcionalmente en forma simple o múltiple, idéntico o diferente arilo o heteroarilo sustituido, donde (en el caso de heteroarilo) opcionalmente puede contener al menos un grupo carbonilo y/o donde como sustituyentes se pueden considerar en cada caso: ciano, carboxil, halógeno, nitro, acetil, hidroxil, amino, SCN, Tri-(C₁-C₆)alquilosililo, (C₁-C₆)alquilo, (C₁-C₆)haloalquilo, (C₁-C₆)cianoalquilo, (C₁-C₆)hidroxialquilo, hidroxicarbonil-(C₁-C₆)-alcoxi, (C₁-C₆)alcoxycarbonil-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquilo, (C₂-C₆)alquenilo, (C₂-C₆)halógenoalquenilo, (C₂-C₆)cianoalquenilo, (C₂-C₆)alquinilo, (C₂-C₆)halógenoalquinilo, (C₂-C₆)cianoalquinilo, (C₁-C₆)alcoxi, (C₁-C₆)halógenoalcoxi, (C₁-C₆)cianoalcoxi, (C₁-C₆)alcoxycarbonil-(C₁-C₆)alcoxi, (C₁-C₆)alcoxi-(C₁-C₆)alcoxi, (C₁-C₆)alquilohidroxiimino, (C₁-C₆)alcoxiimino, (C₁-C₆)alquilo-(C₁-C₆)alcoxiimino, (C₁-C₆)haloalquilo-(C₁-C₆)alcoxiimino, (C₁-C₆)alquiltio, (C₁-C₆)haloalquiltio, (C₁-C₆)alcoxi-(C₁-C₆)alquiltio, (C₁-C₆)alquiltio-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfinil, (C₁-C₆)haloalquilsulfinil, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfinil, (C₁-C₆)alquilsulfinil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfonil, (C₁-C₆)haloalquilsulfonil, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfonil, (C₁-C₆)alquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfoniloxi, (C₁-C₆)alquilocarbonil, (C₁-C₆)haloalquilocarbonil, (C₁-C₆)alquilocarboniloxi, (C₁-C₆)alcoxycarbonil, (C₁-C₆)halógenoalcoxycarbonil, aminocarbonil, (C₁-C₆)alquiloaminocarbonil, Di-(C₁-C₆)alquiloaminocarbonil, (C₂-C₆)alqueniloaminocarbonil, Di-(C₂-C₆)alquenilaminocarbonil, (C₃-C₈)cicloalquiloaminocarbonil, (C₁-C₆)alquilsulfonilamino, (C₁-C₆)alquiloamino, Di-(C₁-C₆)alquiloamino, aminosulfonil, (C₁-C₆)alquiloaminosulfonil, Di-(C₁-C₆)alquiloaminosulfonil, (C₁-C₆)alquilosulfoximino, aminotiocarbonil, (C₁-C₆)alquiloaminotiocarbonil, Di-(C₁-C₆)alquiloaminotiocarbonil, (C₃-C₈)cicloalquiloamino,

R^{2b} representa en cada caso en forma simple o múltiple, idéntico o diferente un anillo saturado, parcialmente saturado o heteroaromático, en el que al menos un átomo C está sustituido por un heteroátomo, donde al menos puede estar contenido un grupo carbonilo y/o donde como sustituyentes se pueden considerar en cada caso: hidrógeno, ciano, carboxil, halógeno, nitro, acetil, hidroxil, amino, SCN, Tri-(C₁-C₆)alquilosililo, (C₁-C₆)alquilo, (C₁-C₆)haloalquilo, (C₁-C₆)cianoalquilo, (C₁-C₆)hidroxialquilo, hidroxicarbonil-(C₁-C₆)-alcoxi, (C₁-C₆)alcoxycarbonil-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquilo, (C₂-C₆)alquenilo, (C₂-C₆)halógenoalquenilo, (C₂-C₆)cianoalquenilo, (C₂-C₆)alquinilo, (C₂-C₆)halógenoalquinilo, (C₂-C₆)cianoalquinilo, (C₃-C₆)cicloalquilo, (C₃-C₆)cicloalquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo-(C₃-C₆)cicloalquilo (C₁-C₆)alcoxi, (C₁-C₆)halógenoalcoxi, (C₁-C₆)cianoalcoxi, (C₁-C₆)alcoxycarbonil-(C₁-C₆)alcoxi, (C₁-C₆)alcoxi-(C₁-C₆)alcoxi, (C₁-C₆)alcoxiimino, -N=C(H)-O(C₁-C₆)alquilo, -C(H)=N-O(C₁-C₆)alquilo, (C₁-C₆)haloalquilo-(C₁-C₆)alcoxiimino, (C₁-C₆)alquiltio, (C₁-C₆)haloalquiltio, (C₁-C₆)alcoxi-(C₁-C₆)alquiltio, (C₁-C₆)alquiltio-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfinil, (C₁-C₆)haloalquilsulfinil, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfinil, (C₁-C₆)alquilsulfinil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfonil, (C₁-C₆)haloalquilsulfonil, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfonil, (C₁-

C₆)alquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfoniloxi, (C₁-C₆)alquilocarbonil, (C₁-C₆)haloalquilocarbonil, (C₁-C₆)alquilocarboniloxi, (C₁-C₆)alcoxycarbonil, (C₁-C₆)halógenoalcoxycarbonil, aminocarbonil, (C₁-C₆)alquiloaminocarbonil, Di-(C₁-C₆)alquiloaminocarbonil, (C₂-C₆)alqueniloaminocarbonil, Di-(C₂-C₆)-alquenilaminocarbonil, (C₃-C₈)cicloalquiloaminocarbonil, (C₁-C₆)alquilsulfonilamino, (C₁-C₆)alquiloamino, Di-(C₁-C₆)alquiloamino, aminosulfonil, (C₁-C₆)alquiloaminosulfonil, Di-(C₁-C₆)alquiloaminosulfonil, (C₁-C₆)alquilosulfoximino, aminotiocarbonil, (C₁-C₆)alquiloaminotiocarbonil, Di-(C₁-C₆)alquiloaminotiocarbonil, (C₃-C₈)cicloalquiloamino, (C₁-C₆)alquilocarbonilamino,

R⁵ representa (C₁-C₆)alquilo, (C₁-C₆)haloalquilo, (C₁-C₆)cianoalquilo, (C₁-C₆)hidroxialquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquilo, (C₁-C₆)halógenoalcoxi-(C₁-C₆)alquilo, (C₂-C₆)alquenilo, (C₂-C₆)alqueniloxi-(C₁-C₆)alquilo, (C₂-C₆)halógenoalqueniloxi-(C₁-C₆)alquilo, (C₂-C₆)halógenoalquenilo, (C₂-C₆)cianoalquenilo, (C₂-C₆)alquinilo, (C₂-C₆)alquiniloxi-(C₁-C₆)alquilo, (C₂-C₆)halógenoalquiniloxi-(C₁-C₆)alquilo, (C₂-C₆)halógenoalquinilo, (C₂-C₆)cianoalquinilo, (C₃-C₈)cicloalquilo, (C₃-C₈)cicloalquilo-(C₃-C₈)cicloalquilo, (C₁-C₆)alquilo-(C₃-C₈)cicloalquilo, halógeno(C₃-C₈)cicloalquilo, (C₁-C₆)alquiltio-(C₁-C₆)alquilo, (C₁-C₆)haloalquiltio-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfinil-(C₁-C₆)alquilo, (C₁-C₆)haloalquilsulfinil-(C₁-C₆)alquilo, (C₁-C₆)alquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)haloalquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquiltio-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfinil-(C₁-C₆)alquilo, (C₁-C₆)alcoxi-(C₁-C₆)alquilsulfonil-(C₁-C₆)alquilo, (C₁-C₆)alquilocarbonil-(C₁-C₆)alquilo, (C₁-C₆)haloalquilocarbonil-(C₁-C₆)alquilo, (C₁-C₆)alcoxicarbonil-(C₁-C₆)alquilo, (C₁-C₆)halógenoalcoxicarbonil-(C₁-C₆)alquilo, aminocarbonil-(C₁-C₆)alquilo, (C₁-C₆)alquiloamino-(C₁-C₆)alquilo, Di-(C₁-C₆)alquiloamino-(C₁-C₆)alquilo o (C₃-C₈)cicloalquiloamino-(C₁-C₆)alquilo,

n representa 0, 1 o 2.

25 2. Compuestos de la fórmula (I) según reivindicación 1, en los cuales

A¹ representa nitrógeno, =N⁺-O⁻ o =C-R⁴,

A² representa –N-R⁵, oxígeno o azufre,

A³ representa oxígeno,

A⁴ representa nitrógeno, =N⁺-O⁻ o =C-R⁴,

30 R¹ representa (C₁-C₄)alquilo, (C₁-C₄)hidroxialquilo, (C₁-C₄)haloalquilo, (C₁-C₄)cianoalquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, (C₁-C₄)halógenoalcoxi-(C₁-C₄)alquilo, (C₂-C₄)alquenilo, (C₂-C₄)alqueniloxi-(C₁-C₄)alquilo, (C₂-C₄)halógenoalqueniloxi-(C₁-C₄)alquilo, (C₂-C₄)halógenoalquenilo, (C₂-C₄)cianoalquenilo, (C₂-C₄)alquinilo, (C₂-C₄)alquiniloxi-(C₁-C₄)alquilo.

5 C₄)alquilo, (C₂-C₄)halógenoalquinoxil-(C₁-C₄)alquilo, (C₂-C₄)halógenoalquinoxil, (C₂-C₄)cianoalquinoxil, (C₃-C₆)cicloalquilo, (C₃-C₆)cicloalquilo(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo-(C₃-C₆)cicloalquilo, halógeno(C₃-C₆)cicloalquilo, (C₁-C₄)alquiloamino, Di-(C₁-C₄)alquilo-amino, (C₃-C₆)cicloalquiloamino, (C₁-C₄)alquilocarbonil-amino, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)haloalquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)haloalquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonil-(C₁-C₄)alquilo, (C₁-C₄)alquilocarbonil-(C₁-C₄)alquilo, (C₁-C₄)haloalquilocarbonil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonilamino,

10 o representa en cada caso opcionalmente en forma simple o doble, idéntico o diferente (C₁-C₄)alquilo, (C₁-C₄)alcoxi, (C₂-C₄)alquinoxil, (C₂-C₄)alquinoxil, (C₃-C₆)cicloalquilo sustituido por arilo, heteroarilo o heterociclilo, donde arilo, heteroarilo o heterociclilo en cada caso opcionalmente en forma simple o doble, idéntico o diferente, pueden estar sustituidos por halógeno, ciano, carbamoyl, aminosulfonil, (C₁-C₄)alquilo, (C₃-C₄)cicloalquilo, (C₁-C₄)alcoxi, (C₁-C₄)haloalquilo, (C₁-C₄)halógenoalcoxi, (C₁-C₄)alquiltio, (C₁-C₄)alquilsulfinil, (C₁-C₄)alquilsulfonil, (C₁-C₄)alquilosulfimino, o

15 R¹ representa en cada caso opcionalmente simple o doble, idéntico o diferente, arilo, heteroarilo o heterociclilo sustituido por halógeno, ciano, carbamoyl, (C₁-C₄)alquilo, (C₃-C₆)cicloalquilo, (C₁-C₄)alcoxi, (C₁-C₄)haloalquilo, (C₁-C₄)halógenoalcoxi, (C₁-C₄)alquiltio, (C₁-C₄)alquilsulfinil, (C₁-C₄)alquilsulfonil, (C₁-C₄)alquilosulfimino, (C₁-C₄)alquilosulfoximino, (C₁-C₄)alquilocarbonil, (C₃-C₄)trialquilosililo, (=O) (sólo en el caso de heterociclilo) o (=O)₂ (sólo en el caso de heterociclilo),

25 R^{2a}, R³ y R⁴ representan en forma independiente hidrógeno, ciano, halógeno, nitro, acetyl, hidroxil, amino, SCN, Tri-(C₁-C₄)alquilosililo, (C₃-C₆)cicloalquilo, (C₃-C₆)cicloalquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo-(C₃-C₆)cicloalquilo, halógeno(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₁-C₄)cianoalquilo, (C₁-C₄)hidroxialquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, (C₂-C₄)alquinoxil, (C₂-C₄)halógenoalquinoxil, (C₂-C₄)cianoalquinoxil, (C₂-C₄)alquinoxil, (C₂-C₄)halógenoalquinoxil, (C₂-C₄)cianoalquinoxil, (C₁-C₄)alcoxi, (C₁-C₄)halógenoalcoxi, (C₁-C₄)cianoalcoxi, (C₁-C₄)alcoxi-(C₁-C₄)alcoxi, (C₁-C₄)alquilohidroxilimino, (C₁-C₄)alcoxilimino, (C₁-C₄)alquilo-(C₁-C₄)alcoxilimino, (C₁-C₄)haloalquilo-(C₁-C₄)alcoxilimino, (C₁-C₄)alquiltio, (C₁-C₄)haloalquiltio, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil, (C₁-C₄)haloalquilsulfinil, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonil, (C₁-C₄)haloalquilsulfonil, (C₁-C₄)alquilsulfonil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfoniloxil, (C₁-C₄)alquilocarbonil, (C₁-C₄)haloalquilocarbonil, aminocarbonil, aminotiocarbonil, (C₁-C₄)alquiloaminocarbonil, Di-(C₁-C₄)alquilo-aminocarbonil, (C₁-C₄)alquilsulfonilamino, (C₁-C₄)alquiloamino, Di-(C₁-C₄)alquiloamino, aminosulfonil, (C₁-C₄)alquiloaminosulfonil, Di-(C₁-C₄)alquilo-aminosulfonil, aminotiocarbonil, NHCO-(C₁-C₄)alquilo ((C₁-C₄)alquilocarbonilamino),

representa en cada caso opcionalmente simple o doble, idéntico o diferente un fenilo o heteroarilo

sustituido, donde (en el caso de heteroarilo) puede contener opcionalmente al menos un grupo carbonilo y/o donde como sustituyentes se pueden considerar en cada caso: ciano, halógeno, nitro, acetil, amino, (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₁-C₄)cianoalquilo, (C₁-C₄)hidroxialquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, (C₂-C₄)alquenilo, (C₂-C₄)halógenoalquenilo, (C₂-C₄)cianoalquenilo, (C₂-C₄)alquinilo, (C₂-C₄)halógenoalquinilo, (C₂-C₄)cianoalquinilo, (C₁-C₄)alcoxi, (C₁-C₄)halógenoalcoxi, (C₁-C₄)cianoalcoxi, (C₁-C₄)alcoxi-(C₁-C₄)alcoxi, (C₁-C₄)alquilohidroxiimino, (C₁-C₄)alcoxiimino, (C₁-C₄)alquilo-(C₁-C₄)alcoxiimino, (C₁-C₄)haloalquilo-(C₁-C₄)alcoxiimino, (C₁-C₄)alquiltio, (C₁-C₄)haloalquiltio, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil, (C₁-C₄)haloalquilsulfinil, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonil, (C₁-C₄)haloalquilsulfonil, (C₁-C₄)alquilsulfonil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfoniloxi, (C₁-C₄)alquilocarbonil, (C₁-C₄)haloalquilocarbonil, aminocarbonil, (C₁-C₄)alquiloaminocarbonil, Di-(C₁-C₄)alquilo-aminocarbonil, (C₁-C₄)alquilsulfonilamino, (C₁-C₄)alquiloamino, Di-(C₁-C₄)alquiloamino, aminosulfinil, (C₁-C₄)alquiloaminosulfinil, Di-(C₁-C₄)alquiloaminosulfinil,

R^{2b} representa opcionalmente un anillo saturado, parcialmente saturado o heteroaromático sustituido en forma simple, doble o triple, idéntico o diferente, en el que al menos un átomo C está sustituido por un heteroátomo del grupo N, O o S, donde en cada caso opcionalmente puede contener al menos un grupo carbonilo y/o donde como sustituyentes se pueden considerar: ciano, halógeno, nitro, acetil, amino, (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₁-C₄)cianoalquilo, (C₁-C₄)hidroxialquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, (C₂-C₄)alquenilo, (C₂-C₄)halógenoalquenilo, (C₂-C₄)cianoalquenilo, (C₂-C₄)alquinilo, (C₂-C₄)halógenoalquinilo, (C₂-C₄)cianoalquinilo, (C₃-C₆)cicloalquilo, (C₃-C₆)cicloalquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alcoxi, (C₁-C₄)halógenoalcoxi, (C₁-C₄)cianoalcoxi, (C₁-C₄)alcoxi-(C₁-C₄)alcoxi, (C₁-C₄)alcoxiimino, -N=C(H)-O(C₁-C₄)alquilo, -C(H)=N-O(C₁-C₄)alquilo, (C₁-C₄)haloalquilo-(C₁-C₄)alcoxiimino, (C₁-C₄)alquiltio, (C₁-C₄)haloalquiltio, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil, (C₁-C₄)haloalquilsulfinil, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonil, (C₁-C₄)haloalquilsulfonil, (C₁-C₄)alquilsulfonil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfoniloxi, (C₁-C₄)alquilocarbonil, (C₁-C₄)haloalquilocarbonil, aminocarbonil, (C₁-C₄)alquiloaminocarbonil, Di-(C₁-C₄)alquilo-aminocarbonil, (C₁-C₄)alquilsulfonilamino, (C₁-C₄)alquiloamino, Di-(C₁-C₄)alquiloamino, aminosulfinil, (C₁-C₄)alquiloaminosulfinil, Di-(C₁-C₄)alquiloaminosulfinil, (C₁-C₄)alquilocarbonilamino,

R⁵ representa (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₁-C₄)cianoalquilo, (C₁-C₄)hidroxialquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, (C₁-C₄)halógenoalcoxi-(C₁-C₄)alquilo, (C₂-C₄)alquenilo, (C₂-C₄)alqueniloxi-(C₁-C₄)alquilo, (C₂-C₄)halógenoalqueniloxi-(C₁-C₄)alquilo, (C₂-C₄)halógenoalquenilo, (C₂-C₄)cianoalquenilo, (C₂-C₄)alquinilo, (C₂-C₄)alquiniloxi-(C₁-C₄)alquilo, (C₂-C₄)halógenoalquinilo, (C₃-C₆)cicloalquilo, (C₃-C₆)cicloalquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo-(C₃-C₆)cicloalquilo, halógeno(C₃-C₆)cicloalquilo, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)haloalquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo,

C₄)alquilo, (C₁-C₄)haloalquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonyl-(C₁-C₄)alquilo, (C₁-C₄)haloalquilsulfonyl-(C₁-C₄)alquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquiltio-(C₁-C₄)alquilo o (C₁-C₄)alquilocarbonil-(C₁-C₄)alquilo,

n representa 0, 1 o 2.

5 3. Compuestos de la fórmula (I) según reivindicación 1, en los cuales

A¹ representa nitrógeno o =C-R⁴,

A² representa -N-R⁵ o oxígeno,

A³ representa oxígeno,

A⁴ representa nitrógeno o =C-R⁴,

10 R¹ representa (C₁-C₄)alquilo, (C₁-C₄)hidroxialquilo, (C₁-C₄)haloalquilo, (C₂-C₄)alqueno, (C₂-C₄)halógenoalqueno, (C₂-C₄)alquino, (C₂-C₄)halógenoalquino, (C₃-C₆)cicloalquilo, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo o (C₁-C₄)alquilsulfonyl-(C₁-C₄)alquilo,

15 R^{2a} representa hidrógeno, ciano, aminocarbonil, halógeno, (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₁-C₄)halógenoalcoxi, (C₁-C₄)alquiltio, (C₁-C₄)alquilsulfinil, (C₁-C₄)alquilsulfonyl, (C₁-C₄)haloalquiltio, (C₁-C₄)haloalquilsulfinil o (C₁-C₄)haloalquilsulfonyl,

20 R^{2b} representa en cada caso un anillo de 5 o 6 miembros saturado, parcialmente saturado o heteroaromático opcionalmente sustituido en forma simple, doble o triple, idéntico o diferente, en el que al menos un átomo C está sustituido por un heteroátomo del grupo N, O o S, donde en cada caso opcionalmente puede contener al menos un grupo carbonilo y/o donde como sustituyentes se

25 pueden considerar: ciano, halógeno, nitro, acetilo, amino, (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₁-C₄)cianoalquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, (C₂-C₄)alqueno, (C₂-C₄)halógenoalqueno, (C₂-C₄)alquino, (C₂-C₄)halógenoalquino, (C₃-C₆)cicloalquilo, (C₃-C₆)cicloalquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alcoxi, (C₁-C₄)halógenoalcoxi, (C₁-C₄)alcoxi-(C₁-C₄)alcoxi, (C₁-C₄)alcoxiimino, -N=C(H)-O(C₁-C₄)alquilo, -C(H)=N-O(C₁-C₄)alquilo, (C₁-C₄)alquiltio, (C₁-C₄)haloalquiltio, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil, (C₁-C₄)haloalquilsulfinil, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonyl, (C₁-C₄)haloalquilsulfonyl, (C₁-C₄)alquilsulfonyl-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonyloxi, (C₁-C₄)alquilocarbonil, (C₁-C₄)haloalquilocarbonil, aminocarbonil, (C₁-C₄)alquiloaminocarbonil, Di-(C₁-C₄)alquilo-aminocarbonil, (C₁-C₄)alquilsulfonylamino, (C₁-C₄)alquiloamino, Di-(C₁-C₄)alquiloamino, aminosulfonyl, (C₁-C₄)alquiloaminosulfonyl, Di-(C₁-C₄)alquiloaminosulfonyl, (C₁-C₄)alquilocarbonilamino,

30

R³ representa hidrógeno, halógeno, (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₁-C₄)halógenoalcoxi, (C₁-C₄)alquiltio, (C₁-C₄)alquilsulfinil, (C₁-C₄)alquilsulfonil, (C₁-C₄)haloalquiltio, (C₁-C₄)haloalquilsulfinil o (C₁-C₄)haloalquilsulfonil,

R⁴ representa hidrógeno, halógeno, ciano o (C₁-C₄)alquilo,

5 R⁵ representa (C₁-C₄)alquilo o (C₁-C₄)alcoxi-(C₁-C₄)alquilo,

n representa 0, 1 o 2.

4. Compuestos de la fórmula (I) según reivindicación 1, en los cuales

A¹ representa nitrógeno o =C-R⁴,

A² representa -N-R⁵ o oxígeno,

10 A³ representa oxígeno,

A⁴ representa nitrógeno o =C-H,

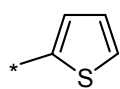
R¹ representa metilo, etilo, n-propilo, i-propilo, ciclo-propilo, n-butilo, i-butilo, tert.-butilo, ciclo-butilo, fluorometilo, difluormetilo, trifluormetilo, fluoroetilo, difluoroetilo, trifluoroetilo, tetrafluoroetilo o pentafluoroetilo,

15 R^{2a} representa hidrógeno, ciano, metilo, etilo, fluorometilo, difluormetilo, trifluormetilo, fluoroetilo, difluoroetilo, trifluoroetilo, tetrafluoroetilo, pentafluoroetilo, trifluormetoxi, difluormetoxi, diclorofluormetoxi, trifluormetiltio, trifluormetilosulfonil, trifluormetilosulfinil, flúor o cloro,

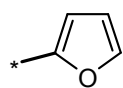
20 R^{2b} representa en cada caso un anillo de 5 o 6 miembros saturado, parcialmente saturado o heteroaromático, sustituido en forma simple, doble o triple, idéntico o diferente, de la serie Q1 a Q104, donde en cada caso puede contener al menos un grupo carbonilo y/o donde como sustituyentes se pueden considerar: ciano, (C₁-C₄)cianoalquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, halógeno, amino, (C₁-C₄)alquilo, (C₁-C₄)haloalquilo, (C₂-C₄)alquenilo, (C₂-C₄)halógenoalquenilo, (C₂-C₄)alquinilo, (C₂-C₄)halógenoalquinilo, (C₃-C₆)cicloalquilo, (C₃-C₆)cicloalquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alquilo-(C₃-C₆)cicloalquilo, (C₁-C₄)alcoxi, (C₁-C₄)halógenoalcoxi, (C₁-C₄)alcoxiimino,

25 -C(H)=N-O(C₁-C₄)alquilo, (C₁-C₄)alquiltio, (C₁-C₄)haloalquiltio, (C₁-C₄)alquilsulfinil, (C₁-C₄)haloalquilsulfinil, (C₁-C₄)alquilsulfonil, (C₁-C₄)haloalquilsulfonil, (C₁-C₄)alquilsulfoniloxi, (C₁-C₄)alquilocarbonil, (C₁-C₄)haloalquilocarbonil, aminocarbonil, (C₁-C₄)alquiloaminocarbonil, 30 Di-(C₁-C₄)alquilo-aminocarbonil, (C₁-C₄)alquilsulfonilamino, (C₁-C₄)alquiloamino, Di-(C₁-C₄)alquiloamino, aminosulfonil, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil-(C₁-

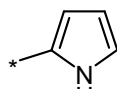
C₄)alquilo, (C₁-C₄)alquilsulfonil-(C₁-C₄)alquilo, (C₁-C₄)alquiloaminosulfonil, Di-(C₁-C₄)alquiloaminosulfonil, (C₁-C₄)alquilcarbonilamino,



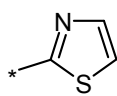
Q-1



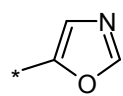
Q-2



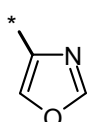
Q-3



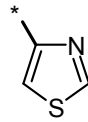
Q-4



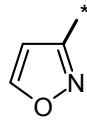
Q-5



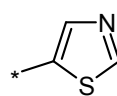
Q-6



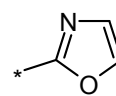
Q-7



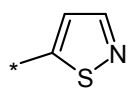
Q-8



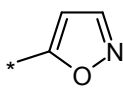
Q-9



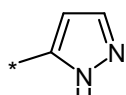
Q-10



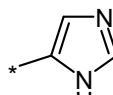
Q-11



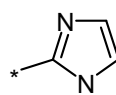
Q-12



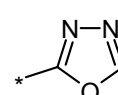
Q-13



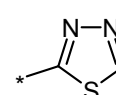
Q-14



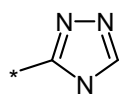
Q-15



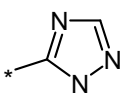
Q-16



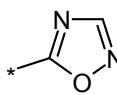
Q-17



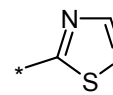
Q-18



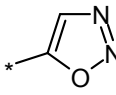
Q-19



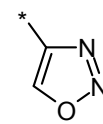
Q-20



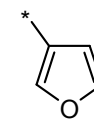
Q-21



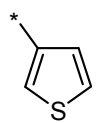
Q-22



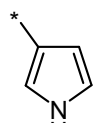
Q-23



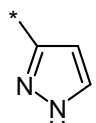
Q-24



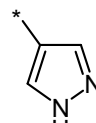
Q-25



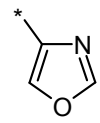
Q-26



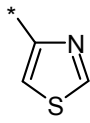
Q-27



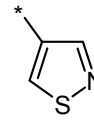
Q-28



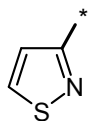
Q-29



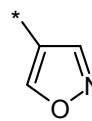
Q-30



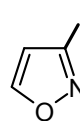
Q-31



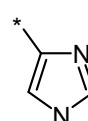
Q-32



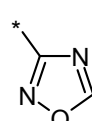
Q-33



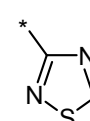
Q-34



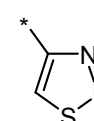
Q-35



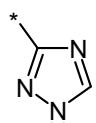
Q-36



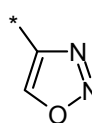
Q-37



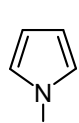
Q-38



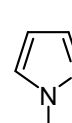
Q-39



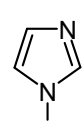
Q-40



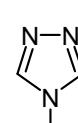
Q-41



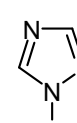
Q-42



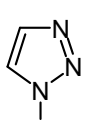
Q-43



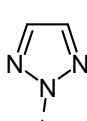
Q-44



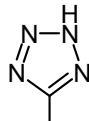
Q-45



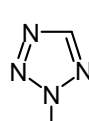
Q-46



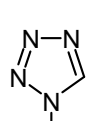
Q-47



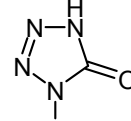
Q-48



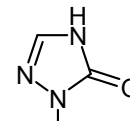
Q-49



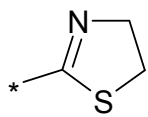
Q-50



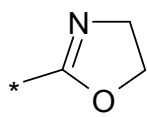
Q-51



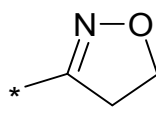
Q-52



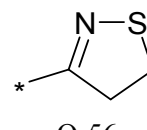
Q-53



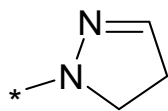
Q-54



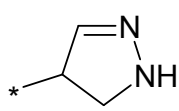
Q-55



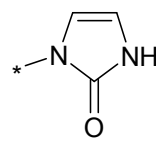
Q-56



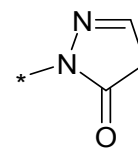
Q-57



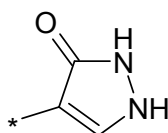
Q-58



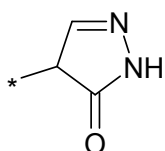
Q-59



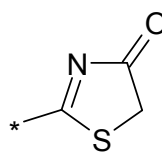
Q-60



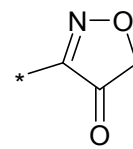
Q-61



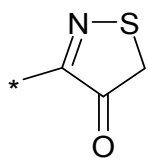
Q-62



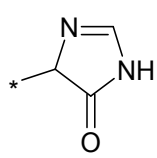
Q-63



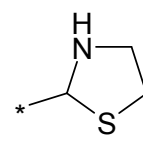
Q-64



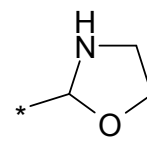
Q-65



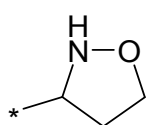
Q-66



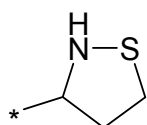
Q-67



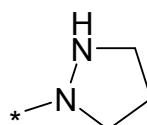
Q-68



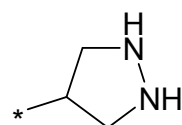
Q-69



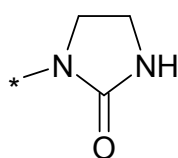
Q-70



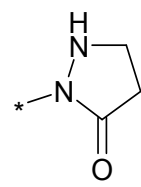
Q-71



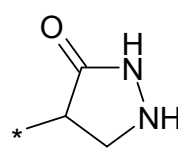
Q-72



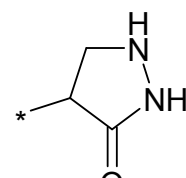
Q-73



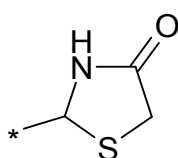
Q-74



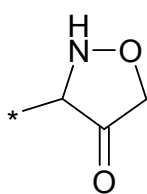
Q-75



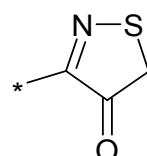
Q-76



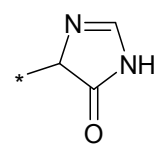
Q-77



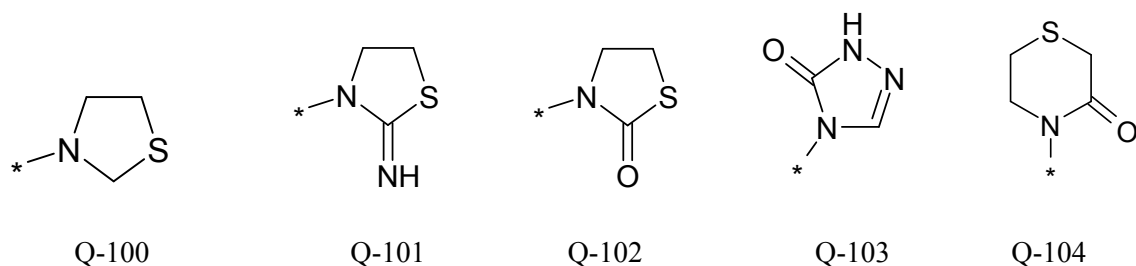
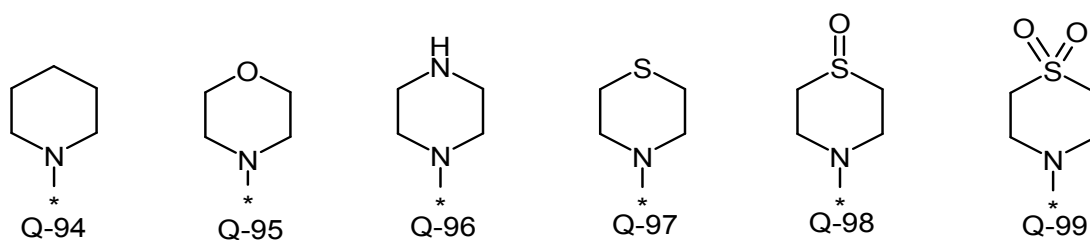
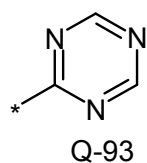
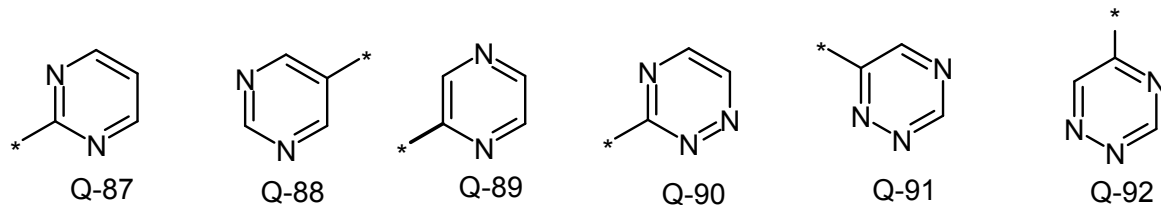
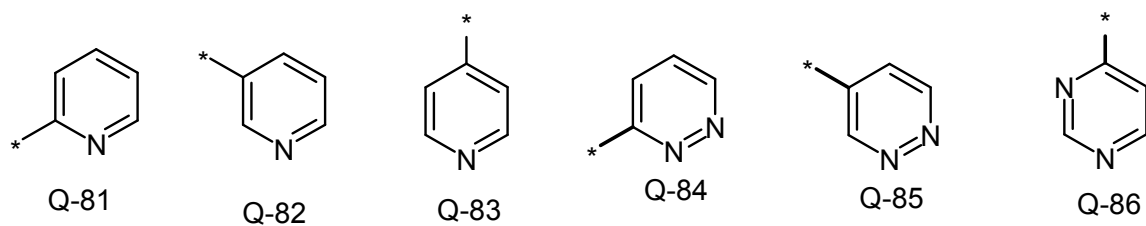
Q-78



Q-79



Q-80



5

donde la unión con la molécula residual está marcada con un asterisco *,

R³ representa flúor, cloro, fluorometilo, difluorometilo, trifluorometilo, fluoroetilo, difluoroetilo, trifluoroetilo, tetrafluoroetilo, pentafluoroetilo, trifluormetoxi, difluormetoxi, diclorofluormetoxi, trifluormetilotio, trifluormetilosulfonil o trifluormetilosulfinil ,

10

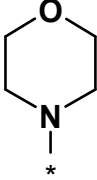
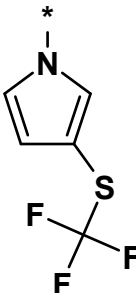
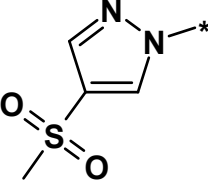
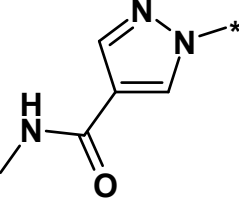
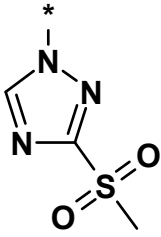
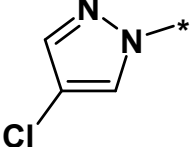
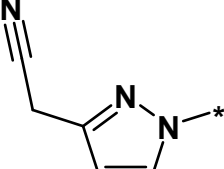
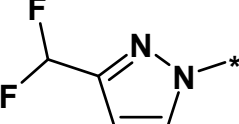
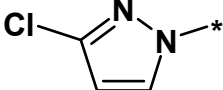
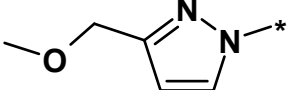
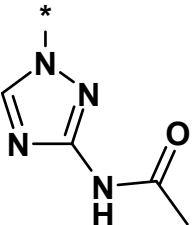
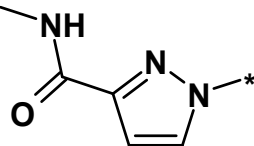
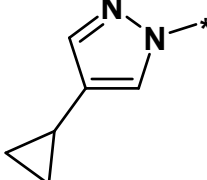
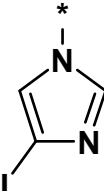
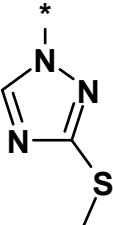
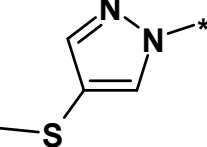
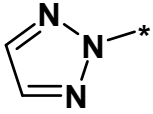
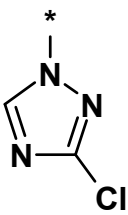
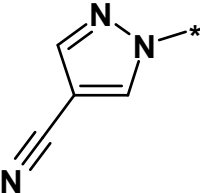
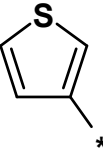
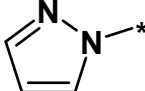
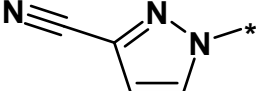
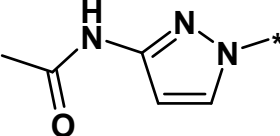
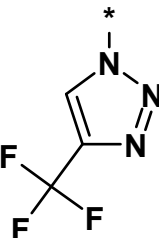
R⁴ representa hidrógeno, flúor, cloro, bromo o ciano,

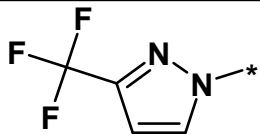
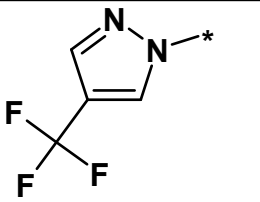
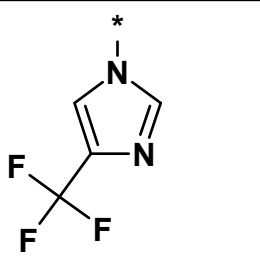
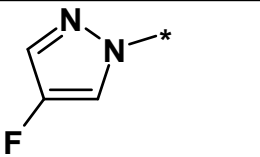
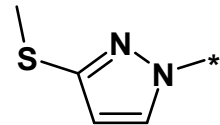
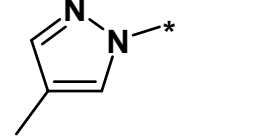
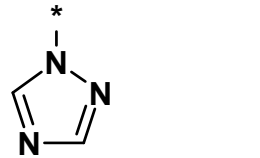
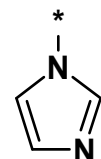
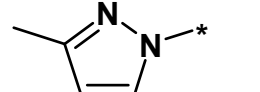
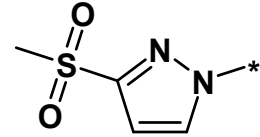
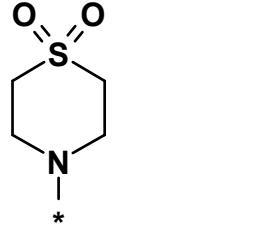
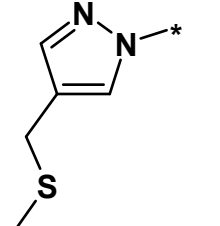
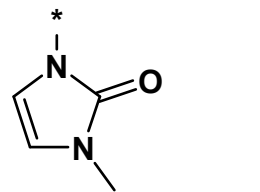
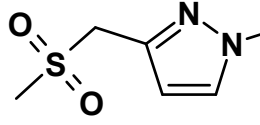
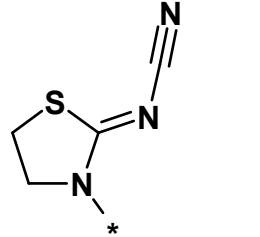
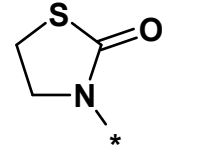
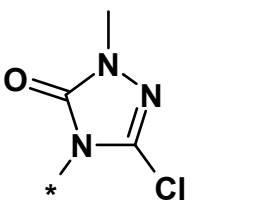
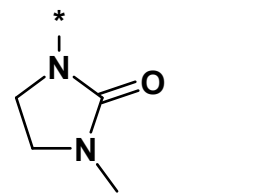
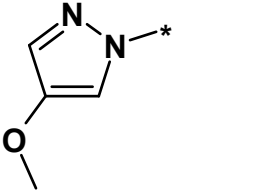
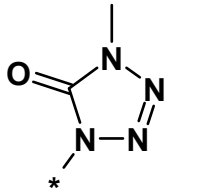
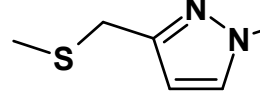
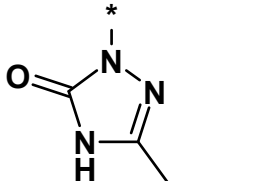
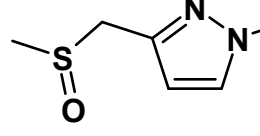
R⁵ representa metilo, etilo, i-propilo, metoximetilo o metoxietilo,

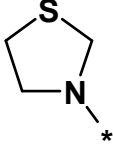
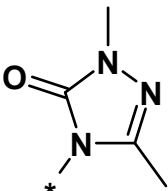
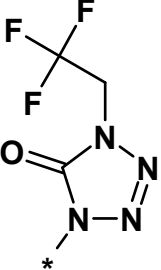
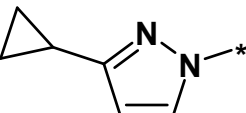
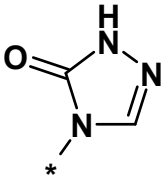
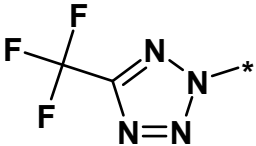
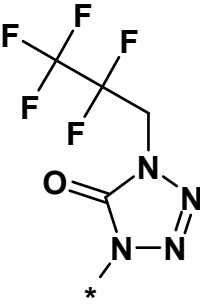
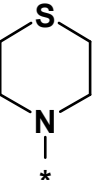
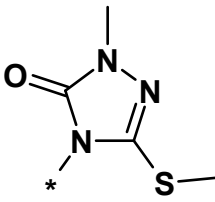
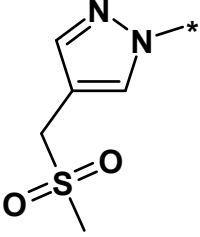
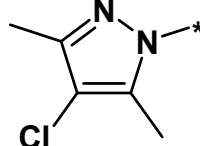
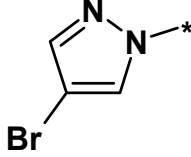
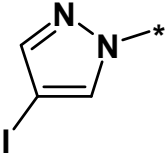
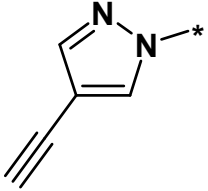
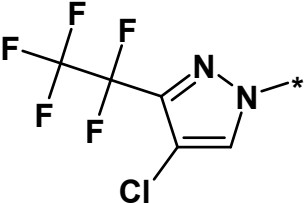
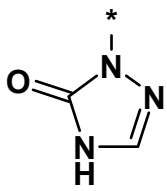
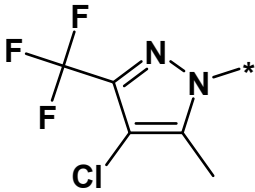
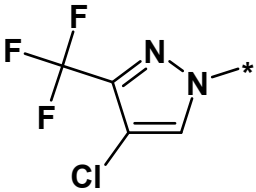
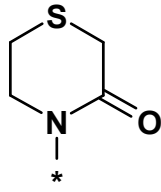
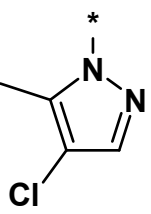
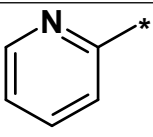
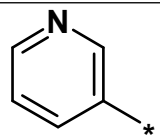
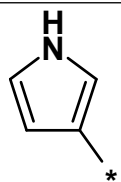
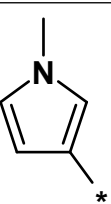
n representa 0, 1 o 2.

5. Compuestos de la fórmula (I) según reivindicación 1, en los cuales

- A¹ representa nitrógeno,
- A² representa -N-R⁵,
- A³ representa oxígeno,
- A⁴ representa =C-H ,
- 5 R¹ representa metilo, etilo, n-propilo, i-propilo, n-butilo, i-butilo o tert.-butilo,
- R^{2a} representa hidrógeno,
- R^{2b} representa un anillo de 5 o 6 miembros saturado, parcialmente saturado o heteroaromático de la serie Q-1, Q-2, Q-3, Q-9, Q-13, Q-14, Q-24, Q-25, Q-26, Q-28, Q-41, Q-42, Q-43, Q-45, Q-46, Q-47, Q-49, Q-51, Q-52, Q-59, Q-73, Q-81, Q-82, Q-83, Q-95, Q-97, Q-99, Q-100, Q-101, Q-102, Q-103, Q-104, opcionalmente sustituido en forma simple, doble o triple, idéntico o diferente, donde como sustituyentes se pueden considerar en cada caso: ciano, (C₁-C₄)cianoalquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, halógeno, (C₁-C₄)alquilo, (C₂-C₄)alquinilo, (C₁-C₄)alcoxi, (C₁-C₄)haloalquilo, (C₃-C₆)cicloalquilo, (C₁-C₄)alquiltio, (C₁-C₄)haloalquiltio, (C₁-C₄)alquilsulfonil, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonil-(C₁-C₄)alquilo, (C₁-C₄)alquiloaminocarbonil, (C₁-C₄)alquilocarbonilamino,
- 10 Q-102, Q-103, Q-104, opcionalmente sustituido en forma simple, doble o triple, idéntico o diferente, donde como sustituyentes se pueden considerar en cada caso: ciano, (C₁-C₄)cianoalquilo, (C₁-C₄)alcoxi-(C₁-C₄)alquilo, halógeno, (C₁-C₄)alquilo, (C₂-C₄)alquinilo, (C₁-C₄)alcoxi, (C₁-C₄)haloalquilo, (C₃-C₆)cicloalquilo, (C₁-C₄)alquiltio, (C₁-C₄)haloalquiltio, (C₁-C₄)alquilsulfonil, (C₁-C₄)alquiltio-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfinil-(C₁-C₄)alquilo, (C₁-C₄)alquilsulfonil-(C₁-C₄)alquilo, (C₁-C₄)alquiloaminocarbonil, (C₁-C₄)alquilocarbonilamino,
- 15 R³ representa fluorometilo, difluormetilo, trifluormetilo, fluoroetilo, difluoroetilo, trifluoroetilo, tetrafluoroetilo o pentafluoroetilo,
- R⁵ representa metilo, etilo o i-propilo,
- n representa 2.
- 20 6. Compuestos de la fórmula (I) según reivindicación 1, en los cuales
- A¹ representa nitrógeno,
- A² representa -N-R⁵ ,
- A³ representa oxígeno
- A⁴ representa =C-H ,
- 25 R¹ representa metilo, etilo, n-propilo, i-propilo, n-butilo, i-butilo o tert.-butilo,
- R^{2a} representa hidrógeno,
- R^{2b} representa uno de los siguientes anillos:

 <chem>CN1CCOCC1</chem>	 <chem>CS(=O)(=O)c1cc[nH]1</chem>	 <chem>CC1=CN=CN1</chem>	 <chem>CC1=CN(C)C=N1</chem>
 <chem>CC1=CN=CN1</chem>	 <chem>ClC1=CN=CN1</chem>	 <chem>N#CC1=CN=CN1</chem>	 <chem>Fc1cc[nH]1F</chem>
 <chem>ClC1=CN=CN1</chem>	 <chem>COC1=CN=CN1</chem>	 <chem>CC1=CN=CN1</chem>	 <chem>CC1=CN(C)C=N1</chem>
 <chem>C1CC1C2=CN=CN2</chem>	 <chem>Ic1cc[nH]1</chem>	 <chem>CC1=CN=CN1</chem>	 <chem>CC1=CN=CN1</chem>
 <chem>CC1=CN=CN1</chem>	 <chem>Clc1cc[nH]1</chem>	 <chem>N#CC1=CN=CN1</chem>	 <chem>CC1=CN=CN1</chem>
 <chem>CC1=CN=CN1</chem>	 <chem>N#CC1=CN=CN1</chem>	 <chem>CC1=CN(C)C=N1</chem>	 <chem>Fc1cc[nH]1F</chem>

R³ representa fluorometilo, difluormetilo, trifluormetilo, fluoroetilo, difluoroetilo, trifluoroetilo, tetrafluoroetilo o pentafluoroetilo,

R⁵ representa metilo, etilo o i-propilo,

5 n representa 2.

7. Compuestos de la fórmula (I) según reivindicación 1, en los cuales

A¹, A², A³, A⁴, R^{2a}, R^{2b} y n tienen los significados indicados en la reivindicación 6 y

R¹ representa etilo,

R³ representa trifluormetilo o pentafluoroetilo,

10 R⁵ representa metilo.

8. Formulación agroquímica que contiene compuestos de la fórmula (I) según reivindicación 1, así como sustancias diluyentes y/o surfactantes.

9. Formulaci3n agroquímica seg3n reivindicaci3n 8 conteniendo adicionalmente un principio activo agroquímico adicional.
10. Procedimiento para el control de plagas animales caracterizado porque se puede dejar actuar un compuesto de la fórmula (I) seg3n reivindicaci3n 1 o una formulaci3n agroquímica seg3n una de las reivindicaciones 8 o 9 en plagas animales y/o su hábitat.
11. Uso de compuestos de la fórmula (I) seg3n reivindicaci3n 1 o de formulaciones agroquímicas seg3n una de las reivindicaciones 8 o 9 para el control de plagas animales.