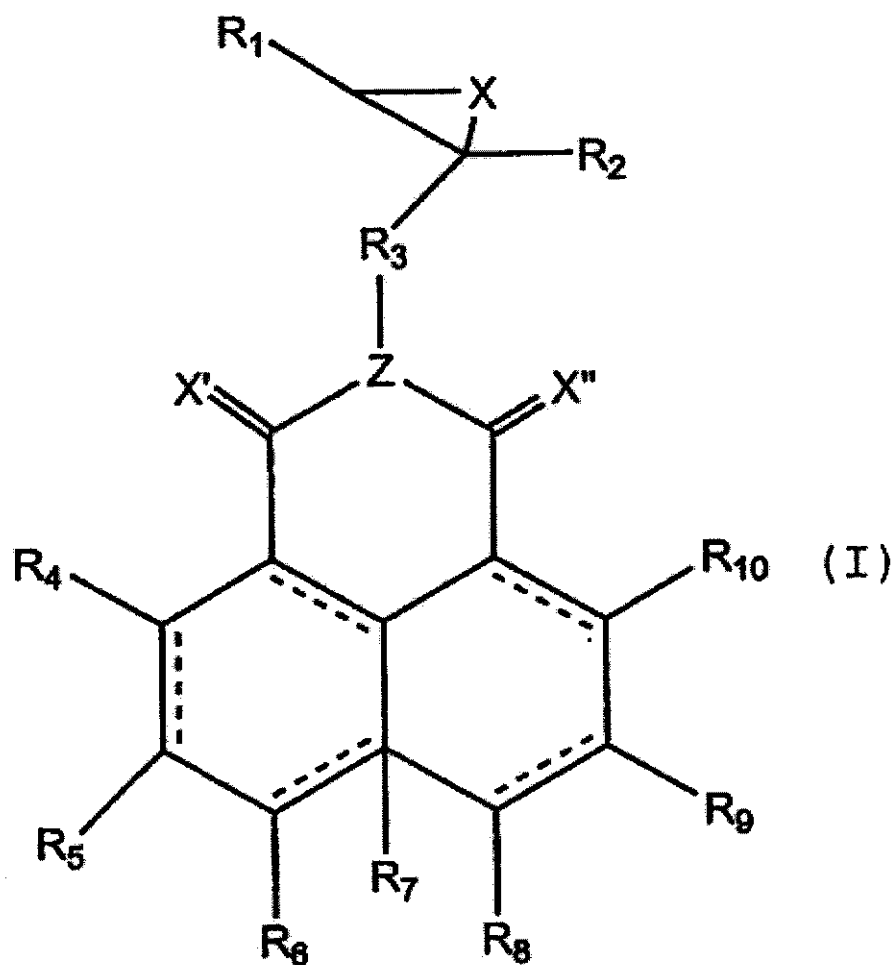


NAPHTHALAMIDE DERIVATIVES HAVING ANTIPROLIFERATIVE ACTIVITY

ABSTRACT



The invention relates to compounds for use in medicine. The compounds are of general formula (I) as disclosed herein and the pharmaceutically acceptable salts, individual isomers and mixtures of isomers thereof, wherein X, X' and X'' are

independently O or S; Z is N or P; R₃ is optional and is selected from the group consisting of optionally substituted C₁₋₈ alkyl, optionally substituted C₂₋₆ alkenyl, optionally substituted C₂₋₆ alkynyl, optionally substituted C₁₋₆ alkoxy, optionally substituted C₁₋₆ thioalkyl, optionally substituted C₅₋₁₀ aryl, optionally substituted C₆₋₁₁ alkylaryl, optionally substituted C₁₋₆ alkylamino, optionally substituted C₁₋₆ alkylcarbonyl, optionally substituted C₁₋₆ alkylsulfonamino, optionally substituted (C₁₋₆)alkylsulfinyl, optionally substituted C₁₋₆ alkylcarbonylamino, optionally substituted hetero(C₄₋₁₀)aryl, hydroxyl, halogen, cyano, nitro, amino, formyl, and thiol; R₁, R₂, R₄, R₅, R₆, R₇, R₈, R₉, and R₁₀ are independently selected from the group consisting of hydrogen, optionally substituted C₁₋₈ alkyl, optionally substituted C₂₋₆ alkenyl, optionally substituted C₂₋₆ alkynyl, optionally substituted C₁₋₆ alkoxy, optionally substituted C₁₋₆ thioalkyl, optionally substituted C₅₋₁₀ aryl, optionally substituted C₆₋₁₁ alkylaryl, optionally substituted C₁₋₆ alkylamino, optionally substituted C₁₋₆ alkylcarbonyl, optionally substituted C₁₋₆ alkylsulfonamino, optionally substituted (C₁₋₆)alkylsulfinyl, optionally substituted C₁₋₆ alkylcarbonylamino, optionally substituted hetero(C₄₋₁₀)aryl, hydroxyl, halogen, cyano, nitro, amino, formyl, and thiol; and --- indicates an optional double bond.

No accompanying figure.