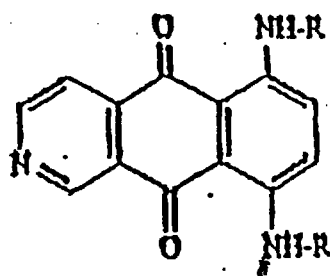


ABSTRACT

2-Aminoalkyl-5-Aminoalkylamino
Substituted-Isoquinoindazole-6(2H)-Ones

A compound according to formula (I):



(I)

wherein R is

C₁-C₁₀ alkyl; phenyl or C₇-C₁₀ aralkyl;

C₂-C₁₀ alkyl substituted with one or two substituents selected from the group consisting of OR₁ and -NR₂R₃;

C₂-C₁₀ alkyl interrupted by one or two oxygen atoms or by a member selected from the group consisting of -NR₄-, cis -CH=CH-, trans -CH=CH- and -C=C-, and optionally substituted with one or two hydroxy (OH) or -NR₂R₃ groups; and wherein

R₁ is selected from the group consisting of hydrogen, C₁-C₆ alkyl, phenyl, C₇-C₁₀ aralkyl, -CHO, -COR₅-, -COOR₅, -S(O₂)R₅ and C₂-C₆ alkyl optionally substituted with -NR₂R₃;

R₂ and R₃ are the same or different and are selected from the group consisting of hydrogen, C₁-C₁₀ alkyl, C₇-C₁₀ aralkyl, phenyl, C₂-C₁₀ alkyl substituted with one or two hydroxy (OH) groups, -CHO, -COR₅, -COOR₅, and -S(O₂)R₅; R₂ and R₃ taken together with the nitrogen atom to which they are bound form an ethyleneimine ring or a 5- or 6-membered aromatic or non-aromatic heterocyclic ring optionally containing another heteroatom selected from the group consisting of sulfur, oxygen and nitrogen, R₂ is H and R₃ is -C(=NH)NH₂ or R₂ is -C(=NH)NH₂ and R₃ is H;

R₄ is selected from the group consisting of hydrogen, C₁-C₁₀ alkyl, C₂-C₁₀ hydroxyalkyl, C₂-C₁₀ alkyl substituted with -NR₂R₃, C₇-C₁₀ aralkyl, phenyl, -COR₅, -COOR₅ and -S(O₂)R₅;

R₅ is selected from the group consisting of C₁-C₁₀ alkyl, C₇-C₁₀ aralkyl, α-, β-, or γ-naphthyl, phenyl, o-, m-, or p-tolyl as free bases and their salts with pharmaceutically acceptable acids, have been found to have cytostatic and anti-tumor activity.