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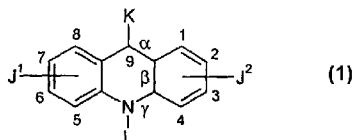
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(54) Title: THERAPEUTIC ACRIDONE AND ACRIDINE COMPOUNDS



(57) Abstract: This invention pertains to certain acridone and acridine compounds of the formula (1) which inhibit telomerase, regulate cell proliferation, etc., and/or treat cancer, proliferative conditions, etc.: wherein either: (a) K is =O, L is -H, alpha single bond, beta is a double bond, gamma is a single bond (acridones); or, (b) K is a 9-substituent, L is absent, alpha is a double bond, beta is a single bond, gamma is a double bond (acridines); and wherein: J¹ is a 2- or 3-substituent; J² is a 6- or 7-substituent; J¹ and J² are each a group of the formula -N(R^N)-W, wherein: R^N is a nitrogen substituent and is hydrogen, C₁₋₇alkyl, C₃₋₂₀heterocyclyl, or C₅₋₂₀aryl, and is optionally substituted; and, W is C₁₋₇alkyl, C₃₋₂₀heterocyclyl, or C₅₋₂₀aryl, and is optionally substituted; and, wherein, when K is a 9-substituent, K is a group of the formula -N(R^N)-Q, wherein: R^N is an amino substituent and is hydrogen, C₁₋₇alkyl, C₃₋₂₀heterocyclyl, or C₅₋₂₀aryl; and, Q is C₁₋₇alkyl, C₃₋₂₀heterocyclyl, or C₅₋₂₀aryl, and is optionally substituted; and pharmaceutically acceptable salts, esters, amides, solvates, hydrates, and protected forms thereof. The present invention also pertains to pharmaceutical compositions comprising such compounds, and the use of such compounds and compositions, both *in vitro* and *in vivo*, to inhibit telomerase, to regulate cell proliferation, etc., and/or in the treatment of cancer, proliferative conditions, etc.



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