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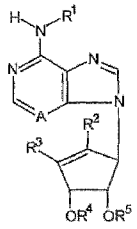
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*[Continued on next page]*

(54) Title: METHODS FOR CANCER THERAPY AND STEM CELL MODULATION



(I)

(57) Abstract: The present invention relates to a method of inducing apoptosis in a tumour cell as well as modulating pluripotency and/or self-renewing characteristics of a stem/progenitor cell. The method comprises administering to the respective cell a compound of general formula (I). In general formula A is C or N. $R^1$, $R^4$ and $R^5$ are, independently selected, H or aliphatic, cycloaliphatic, aromatic, arylaliphatic, or arylcycloaliphatic hydrocarbyl groups, that comprise 0 - 3 heteroatoms being N, O, S, or Si. $R^4$ and $R^5$ may optionally be linked so as to define an aliphatic hydrocarbyl bridge. $R^2$ is H or a halogen, such as F or Cl. $R^3$ is H, or an aliphatic or arylaliphatic hydrocarbyl group comprising 1 - 8 main chain carbon atoms and 0 - 3 heteroatoms being N, O, S, Si, or a halogen such as Cl or F. Also provided is a pharmaceutical composition for inducing apoptosis in a tumour cell and/or modulating pluripotency and/or self-renewing characteristics of a stem/progenitor cell. The pharmaceutical composition comprises a compound as defined above or a pharmaceutically acceptable salt thereof and a carrier or diluent.

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