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(54) Title: 4-HETEROARYLMETHYL SUBSTITUTED PHTHALAZINONE DERIVATIVES

(57) Abstract: A compound of formula (I): for use in treating cancer or other diseases ameliorated by the inhibition of PARP, wherein: A and B together represent an optionally substituted, fused aromatic ring; X can be $NR^x$ or $CR^xR^y$; if $X=NR^x$ then n is 1 or 2 and if $X=CR^xR^y$ then n is 1; $R^x$ is selected from the group consisting of H, optionally substituted $C^{1-20}$ alkyl, $C^{5-20}$ aryl, $C^{3-20}$ heterocyclyl, amido, thioamido, ester, acyl, and sulfonyl groups; $R^y$ is selected from H, hydroxy, amino; or $R^x$ and $R^y$ may together form a spiro-$C^{3-7}$ cycloalkyl or heterocyclyl group; $R^{C1}$ and $R^{C2}$ are independently selected from the group consisting of hydrogen and $C^{1-4}$ alkyl, or when X is $CR^xR^y$, $R^{C1}$, $R^{C2}$, $R^x$ and $R^y$, together with the carbon atoms to which they are attached, may form an optionally substituted fused aromatic ring; $R^1$ is selected from H and halo; and Het is selected from: (i) formula (i), where $Y^1$ is selected from CH and N, $Y^2$ is selected from CH and N, $Y^3$ is selected from CH, CF and N, where only one or two of $Y^1$, $Y^2$ and $Y^3$ can be N; and (ii) formula (ii), where Q is O or S.

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