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(54) Title of the invention : 2-(1-substituted-1H-benzo[d]imidazol-2-yl)-N acetamide compounds having dual inhibitory activity for PARP1 and STAT3 and process thereof

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(57) Abstract :

The present invention discloses novel 2-(1-substituted-1H-benzo[d]imidazol-2-yl)-N acetamide compounds of formula I having dual inhibitory activity for PARP1 and STAT3, compositions for use in the treatment of cancers. The invention further discloses a process for synthesis of 2-(1-substituted-1H-benzo[d]imidazol-2-yl)-N acetamide compounds of formula I and methods of treating lung, stomach, and breast cancers using the 2-(1-substituted-1H-benzo[d]imidazol-2-yl)-N acetamide compounds of formula I.

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