

Title (en)

G2 CHECKPOINT INHIBITORS AND ASSAY

Title (de)

G2 CHECKPOINT HEMMER UND TEST

Title (fr)

INHIBITEURS DES POINTS DE CONTROLE G2 ET DOSAGE

Publication

EP 1017374 A2 20000712 (EN)

Application

EP 98946177 A 19980925

Priority

- CA 9800914 W 19980925
- CA 2216559 A 19970925

Abstract (en)

[origin: WO9915157A2] Compounds are provided that inhibit the G2 checkpoint in the cell cycle and are useful for sensitizing cells to killing by DNA damaging agents. Also provided is an assay for G2 checkpoint inhibitors which includes applying a DNA damaging agent to cells which are incapable of G1 arrest but will arrest at G2 in response to the DNA damaging agent and determining whether the cells do not arrest at G2 and proceed to mitosis after application of a sample to be tested. The assay may employ mitotic cell specific monoclonal antibodies. Also provided is a method of identifying phosphorylated proteins involved in the mitotic cycle of a cell in which proteins of a cell treated with a G2 checkpoint inhibitor are compared to proteins of a cell not so treated.

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