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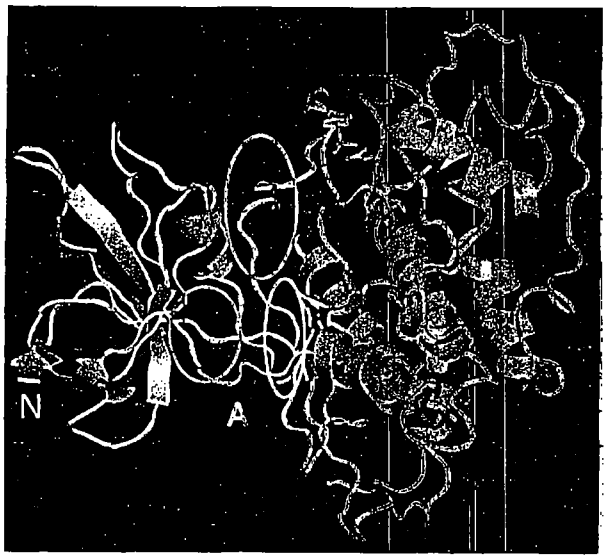
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(54) Title: CHARACTERIZATION OF THE GSK-3β PROTEIN AND METHODS OF USE THEREOF



(57) Abstract: The invention provides the three-dimensional structure of a construct of human glycogen synthase kinase 3 (GSK3); crystals of a construct of human glycogen synthase kinase 3-β (GSK3-β); containing the protein's catalytic kinase domain; a domain for crystallizing the protein construct to provide a GSK3 crystal sufficient for structure determination; and a method for using the GSK3 construct's three dimensional structure for the identification of possible therapeutic compounds in the treatment of various disease conditions mediated by GSK3 activity.

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