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ACTION

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(54) Title: SCREENING UNDER ISOTHERMAL DENATURING CONDITIONS

(57) Abstract: A high throughput screening method for identifying a compound that binds to a target species. The method includes: incubating a plurality of test mixtures under isothermal denaturing conditions, each test mixture including at least one test compound and at least one target species, wherein the isothermal denaturing conditions are effective to cause at least a portion of the target species to denature to a measurable extent. The method further involves detecting a denaturation signal of each target species in the presence of the at least one test compound; and comparing the denaturation signal of each target species in the presence of the at least one test compound with a denaturation signal of the same target species in the absence of the at least one test compound under the same isothermal denaturing conditions.