

TARGETING ALLOSTERIC AND ORTHOSTERIC POCKETS OF PHOSPHOINOSITIDE 3-KINASE (PI3K) FOR THE TREATMENT OF DISEASE

ABSTRACT

The disclosure relates to the use of inhibitors of phosphoinositide 3-kinase (PI3K) that target allosteric and orthosteric pockets of PI3K in methods of treating, preventing, or ameliorating a disease, or disorder, (or uses in the treatment, prevention, or amelioration of a disease, or disorder), in which PI3K plays a role. The PI3K inhibitors may be utilized in combination and may target allosteric or orthosteric pockets of PI3K α simultaneously, separately, or sequentially. In some aspects of the disclosed methods, a PI3K α inhibitor may target an allosteric or an orthosteric pocket of a PI3K α mutant which is resistant to treatment with another PI3K α inhibitor that targets a different pocket of PI3K α .

[Fig. 1]