CDK2-flavonoids interaction by NMR

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Abstract

CDK2 inhibitors induce apoptosis. Because flavopiridol was the first potent CDK inhibitor, we tested flavonoids with a wide scope1). We performed the binding assay of CDK2 and flavonoids using NMR spectroscopy. While the relaxation time of small molecules, flavonoids are fast, those of the complexes of CDK2 and flavonoids are slow. As a result, the binding of CDK2 on flavonoids causes a change of 1H NMR signal.

Reference