



UNIVERSITÀ DEGLI STUDI  
MAGNA GRÆCIA DI CATANZARO



DOTTORATO DI RICERCHE  
IN SCIENZE DELLA VITA

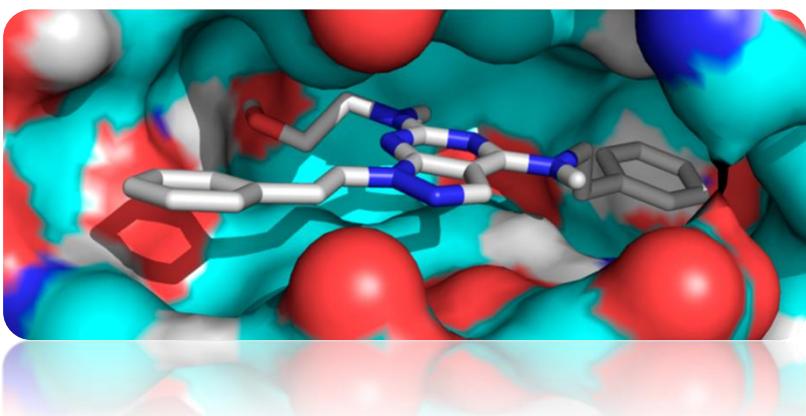


UNIVERSITÀ DEGLI STUDI *MAGNA GRÆCIA DI CATANZARO*  
- DIPARTIMENTO DI SCIENZE DELLA SALUTE -  
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# PROTEIN KINASE INHIBITORS AS ANTICANCER AGENTS: A LIBRARY OF PYRAZOLO[3,4-*d*]PYRIMIDINES



Protein kinases are important targets for anticancer drugs. In the last twenty years at least 20 drugs acting as protein kinase inhibitors have been marketed. In this context, a library of pyrazolo[3,4-*d*]pyrimidines have been synthesized and biologically tested. Many compounds are potent anticancer agents acting as Src and/or Abl (two cytoplasmic tyrosine kinases) inhibitors. More recently some derivatives of the series resulted active on the serine-threonine kinase Sgk1 and a compound blocks the progression of hepatocellular carcinoma in a preclinical model.



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*J Chem Inf Model.* 2014, 54, 1828-32  
*Cell Physiol Biochem.* 2015, 35, 2006-2018  
*Oncotarget.* 2015, in press

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