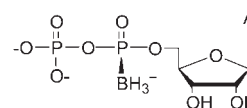


Contents

Stereospecificity, substrate, and inhibitory properties of nucleoside diphosphate analogs for creatine and pyruvate kinases

pp 169–177

Charlotta K. Wennefors, Mikhail I. Dobrikov, Zhihong Xu,
Ping Li and Barbara Ramsay Shaw *



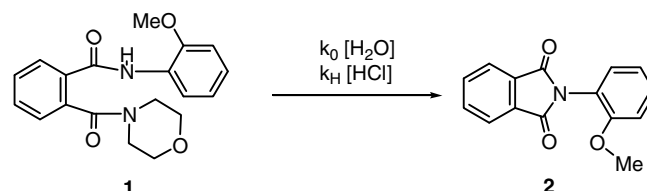
Rp α -*P*-borano adenosine diphosphate (*Rp*-ADP α B)

Kinetics and mechanism of large rate enhancement in an acidic aqueous cleavage of the tertiary amide bond of *N*-(2-methoxyphenyl)-*N'*-morpholinophthalamide (**1**)

pp 178–182

Yoke-Leng Sim, Azhar Ariffin and M. Niyaz Khan *

Intramolecular carboxamide group assistance rate enhancement in **1** is $>2 \times 10^6$ -fold intermolecular specific acid catalysis is 500-fold

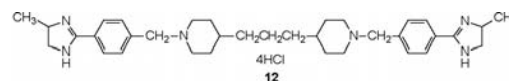


The usefulness of cyclic diamidines with different core-substituents as antitumor agents

pp 183–189

Jarosław Szychala *

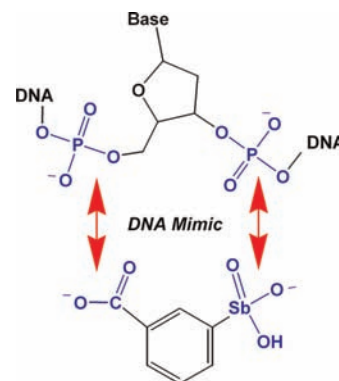
The NCI's anticancer parameters of the polycationic agents investigated depend on the hydrogen bonding effects (N-atom distances, core-shape and length) and correlate with DNA affinity.



Arylstibonic acids: Novel inhibitors and activators of human topoisomerase IB

pp 190–197

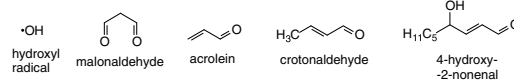
Hyeongnam Kim, John H. Cardellina II, Rhone Akee, James J. Champoux
and James T. Stivers *

**Review****Modifications of nucleosides by endogenous mutagens–DNA adducts arising from cellular processes**

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Donata Pluskota-Karwatka *

Examples of endogenously formed reactive electrophiles



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