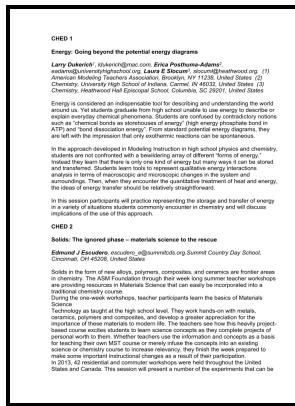


Geometric isomer discrimination capabilities of serine proteases

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Notes: Thesis (M.Sc.)--University of Toronto, 1991.

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How do serine proteases really work?

The x-axis was defined parallel to the vector connecting the atoms of the x-axis subset. The Journal of Physical Chemistry A 2011, 115 45 , 12616-12623. One interesting point the authors note is that since zinc II ions are physiologically ubiquitous, developing metallo-inhibitors that bind zinc II strongly enough to compete for and harness zinc II from physiological fluids will provide efficacious leads for treating diseases associated with serine proteases.

Geometric Isomers

Sitkoff D, Sharp KA, Honig B 1994 Accurate calculation of hydration free energies using macroscopic solvent models.

Bioinformatic analysis of alpha/beta

We are also indebted to Bjarni Asgiresson from the Science Institute, Department of Biochemistry, University of Iceland, for providing us with plasmid clones for VAP pBAS20 , which we intend to test for its protease activity. We describe below *in vitro* evidence of the prediction made by CLASP.

The Lens

Plant protein and secondary metabolites influence diet selection in a mammalian specialist herbivore. J Mol Biol 279: 1211—1227. J Mol Biol 218: 449—464.

Geometric Isomers

One-dimensional proton spectra were acquired using the 1331 binomial pulse sequence to suppress the water signal, with a spectral width of 30 ppm carrier frequency set on the water resonance and an excitation maximum of 14—17 ppm.

Bioinformatic analysis of alpha/beta

Lifetimes of states of the W1 water molecules In this part of the study, all numerical manipulations were carried out using the packages NumPy and SciPy.

Intriguing role of water in protein

Tong W, Wei Y, Murga LF, Ondrechen MJ, Williams RJ 2009 Partial order optimum likelihood POOL : maximum likelihood prediction of protein active site residues using 3D Structure and sequence properties.

Serine

The orientations of rotatable hydrogens were manually adapted based on a comparison with the respective neutron structure.

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