

# Trans Proline Affect Secondary Structure

## Proline

ending in proline; with the creation of proline-proline bonds slowest of all. The exceptional conformational rigidity of proline affects the secondary structure...

## Protein primary structure

acids, which cannot be cleaved by most proteases. Additionally, proline can form stable trans-isomers at the peptide bond. Additionally, the protein can undergo...

## Structure and genome of HIV

(14–15 kDa) binds to the bulged genomic RNA stem-loop secondary structure near the 5' LTR region forming the trans-activation response element (TAR). rev (regulator...

## Protein folding (category Protein structure)

of the protein. Secondary structure hierarchically gives way to tertiary structure formation. Once the protein's tertiary structure is formed and stabilized...

## Biomolecule (section DNA and RNA structure)

and carboxylate functionalities are attached to the same carbon, plus proline which is not actually an amino acid). Modified amino acids are sometimes...

## Ketimine Mannich reaction

creation of a ketimine group. Typically, this is done with a reaction with proline or another nitrogen-containing heterocycle, which control chirality with...

## Protein moonlighting

1K87?; Lee YH, Nadaraia S, Gu D, Becker DF, Tanner JJ (Feb 2003). "Structure of the proline dehydrogenase domain of the multifunctional PutA flavoprotein"

## Oxytocin

hormone may be a factor in xenophobic tendencies secondary to this effect. Thus, oxytocin appears to affect individuals at an international level where the...

## Coeliac disease

coeliac disease are the prolamins. These are storage proteins rich in proline (prol-) and glutamine (-amin) that dissolve in alcohols and are resistant...

## HIV (section Structure and genome)

the introduction of an intersubunit disulphide bond and an isoleucine to proline mutation (radical replacement of an amino acid) in gp41. The so-called...

## **Steroid (section Structure)**

terminal "e" in the parent structure name should be elided before the vowel (the presence or absence of a number does not affect such elision). This means...

## **Mutation (section By effect on structure)**

produced is. (For example, the code CCU GAC UAC CUA codes for the amino acids proline, aspartic acid, tyrosine, and leucine. If the U in CCU was deleted, the...

## **Soybean**

Authority concluded that intake of isoflavones from supplements did not affect thyroid hormone levels in postmenopausal women. Among the legumes, the soybean...

## **S-Adenosyl methionine (section Structure)**

involved in the biosynthesis of several hormones and neurotransmitters that affect mood, such as epinephrine. Methyltransferases are also responsible for the...

## **Hemp**

quality, stunted growth, and death of the plant. These diseases rarely affect the yield of a hemp field, so hemp production is not traditionally dependent...

## **Pharmacology of ethanol**

pharmacodynamics (how it affects the body) and pharmacokinetics (how the body processes it). In the body, ethanol primarily affects the central nervous system...

## **Phlotoxin 1 (section Structure)**

Notably, the inclusion of three proline residues (Pro11, Pro18, and Pro27) introduces the potential for Cis–trans isomerism. This dynamic property can...

## **Xanthoria parietina**

mating-type genetic regions). These differences in mating system structure can significantly affect population genetics, influencing levels of genetic diversity...

## **Cell signaling**

embedded within the plasma membrane. These receptors have extracellular, trans-membrane and intracellular domains. The extracellular domain is responsible...

## **Emily Balskus**

prominent glycol radical enzyme in human gut microbiomes metabolizes trans-4-hydroxy-L-proline outlines an important research approach utilized by Balskus and...

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