

# Synthetic and mechanistic studies of benzimidazoles.

University of Salford - Synthesis, characterization and biological evaluation of benzimidazol...



Description: -

-Synthetic and mechanistic studies of benzimidazoles.

- ND1481/71 Synthetic and mechanistic studies of benzimidazoles.

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## BENZIMIDAZOLE DERIVATIVES AND ITS BIOLOGICAL IMPORTANCE: A REVIEW

The inhibiting behaviour appears as consequence of energetic effect and blocking of the active surface atoms, leading to the decrease of the surface concentration of the hydrogen ions and the increase of hydrogen evolution overpotential. It is proved that the inhibitory action depends on the concentration of the compound, double-layer capacitance and resistance to charge transfer. The expulsion of the proton at 160 pH 0.

### Synthesis, molecular docking, $\alpha$

Synthetic Communications 1995, 25 6, 819-827. Consequently, the main advantage of Dexilant is not the fact that it is an enantiopure substance. The  $\beta$  subunit has one transmembrane segment with in cytoplasmic region.

### Discovery and development of proton pump inhibitors

In the presence of the inhibitors, the damage of the steel surfaces is significantly reduced.

### Synthetic approaches to benzimidazoles from o

We report a metal-free novel route for the accelerated synthesis of benzimidazole and its derivatives in the ambient atmosphere. The stock solution of peptide standards was prepared in a 1 mM concentration, and working standard solutions of 25 pM were prepared through the dilution of stock solution.

### Synthesis, molecular docking, $\alpha$

So the electron deficient carbonyl carbon could be efficiently attacked on the amino group of 1,3,4-thiadiazole ring to forms an imine linkage between the two heterocyclic systems.

### Synthesis, characterization and biological evaluation of benzimidazol...

A clear-cut design of active inhibitors was still not possible because in the complex multi-step chemistry the influence of a substituent on each step

in the cascade could be different, and therefore not predictable for the overall rate of the prerequisite acid activation. Journal of Molecular Graphics and Modelling.

**Novel synthetic approach, spectroscopic characterization and theoretical studies on global and local reactive properties of a bibenzimidazolyl derivative MAHE Digital Repository**

Quantum chemical calculations, density functional theory DFT molecular dynamics simulations and QSAR analyses, were used to research the abilities for being a corrosion inhibitor of a benzinidazole. Spasov A, Yozhitsa L, Bugaeva I and Anisimova VA.

**Untitled Document**

Compounds 6 and 14 which possess the same groups but at different orientations on phenyl ring i. However, triclabendazole resistance has been reported in several countries. It was eventually approved for human use and marketing in 1987 Horton, J.

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