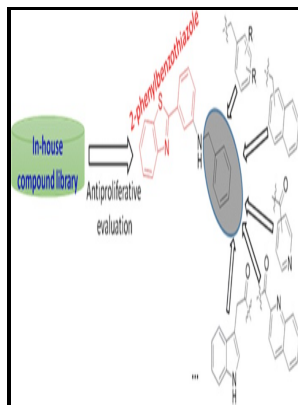


# Synthesis and biological properties of 2-phenylbenzothiazole derivatives.

Aston University. Department of Pharmaceutical Sciences - Synthesis and biological evaluation of 2



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## New nonpeptide angiotensin II receptor antagonists. 1. Synthesis, biological properties and structure

Figure 3: Benzofurans are available by reaction of phenolates with halo ketones pursued by cyclodehydration with  $H_2SO_4$ , polyphosphoric acid or zeolites. O 6 - Benzotriazol-1H-yl guanosine and its 2'-deoxy analogue are readily converted to the O 6 -allyl derivatives that upon diazotization with t-BuONO and TMS-N 3 yield the C-2 azido derivatives.

## Synthesis and biological evaluation of 2

Antitumor and antimetastatic activities of a novel benzothiazole-2-thiol derivative in a murine model of breast cancer. Newer Schiff bases of benzothiazole derivatives 2.

## Synthesis and biological evaluation of novel triazoles and isoxazoles linked 2

Further compound 5d has been tested for its apoptotic activity and its inhibitory activity against caspase and PARP proteins. Single Crystal X-Ray Diffraction Studies The single crystal X-ray diffraction data of 6g, 6j, and 6k was recorded at the University of Mysore, India Bruker axs kappa apex2, CCD diffractometer using graphite monochromated MoK radiation. The experiments were conducted in duplicates and the average value was represented as mean  $\pm$  S.

## Synthesis and biological evaluation of 2

Mechanistic studies reveal that the cascade reaction undertakes an intermolecular pathway. DMSO plays three vital roles: carbon source, solvent, and oxidant.

## Phenylbenzothiazole derivatives: effects against a Trypanosoma cruzi infection and toxicological profiles

Anti-inflammatory activity of O-substituted-4-benzothiazoles 3. The reaction mixture was refluxed in 80°C for 7 h and monitored by TLC. The supernatant equivalent to 40 µg of protein was subjected to SDS PAGE gel electrophoresis.

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