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Synthesis of Various Pyrimidine Derivatives having Potential Biological Activity

Thesis
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Aknowlegment

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3D: 3-Dimensional.

5-HT: 5-Hydroxytryptamine.

Å: Angstroms.

ACE: Angiotensin Converting Enzyme.

Ang II: Angiotensin II.

AR: Adrenoceptors.

AT_1: Angiotensin receptors, subtype-1.

AT_2: Angiotensin receptors, subtype-2.

BP: Blood pressure.

BPH: Benign prostatic hyperplasia.

BPT: 5-(Biphenyl-2-yl)tetrazole.

CADD: Computer-aided drug design.

Clad: Calculated.

CALD: Computer-aided ligand design.

CNS: Central nervous system.

CoMFA: Comparative molecular field analysis.

D: Dopamine receptors.

DMF: Dimethylformamide.

DMSO: Dimethylsulfoxide.

EIMS: Electron impact mass spectroscopy.

FT-IR: Fourier transform infrared spectroscopy.

HBA: Hydrogen bond acceptor.

Het: Heterocycle.

HY: Hydrophobic.

ip: Intraperitonial.

I_1: Imidazoline-1 receptors.

NBS: N-Bromosuccinimide.

NMR: Nuclear magnetic resonance.

PBD: Protien data bank.

PI: Positive ionizable.

QSAR: Quantitative structure activity relationship.

RAS: Renin-angiotensin system.

RSA: Receptor surface analysis.

rt: Room temperature.

SE: Standard error.

THF: Tetrahydrofuran.

TLC: Thin layer chromatography.

TPO: Thyroid peroxidase.

UV: Ultraviolet.