

Parallel Solid Phase Synthesis and Characterization of New Sulfonamide and Amide Proline Derivatives as Potential CNS Agents

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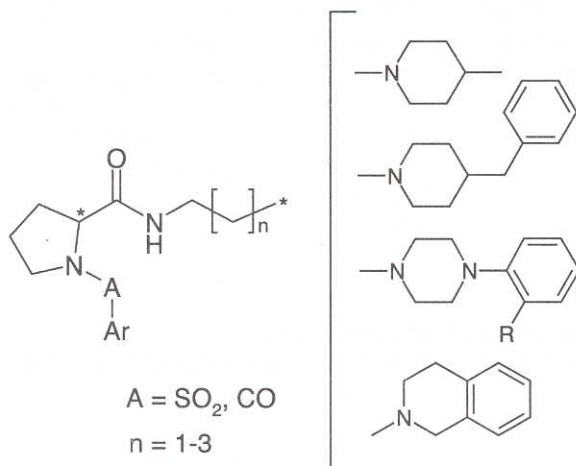
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Combinatorial solid phase synthesis of small molecule compounds is now recognized as an essential tool for new lead generation and for lead optimization in the pharmaceutical industry and academic research. Furthermore, the optimized preliminary biological screening techniques routinely provide the comparable quality data, to that obtained in traditional medicinal chemistry approach.

As a part of our ongoing efforts to discover new GPCR's ligands, that might be regarded as CNS agents utilized in schizophrenia, depression or anxiety treatment, we designed a 64-membered library of novel amide and sulfonamide proline derivatives.



The parallel synthetic procedure involved a 3-step sequence carried out on Backbond Amide Linker (BAL) functionalized D-polyamide SynPhase™ lanterns. Analytical data and biological results of some library members will be presented.