

A SEQUENTIAL DUAL CLEAVAGE OF THE ARYLSULFAMATE LINKER TO PROVIDE BOTH SULFAMATE AND PHENOL DERIVATIVES

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Abstract. Tyramine sulfamate was linked to the trityl chloride resin and this polymeric solid support used to introduce two levels of molecular diversity by formation of peptide bonds. A dual cleavage strategy next generated in a sequential way (without resin split) two different types of compounds (phenol and arylsulfamate derivatives), which are therapeutically attractive types of compounds. Here, we used tyramine as a general scaffold, but other arylsulfamate derivatives could be judiciously used to extend the nature of synthesized compounds.

Keywords: solid-phase synthesis, linker, sulfamate, phenol, library.

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