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Synthesis and Characterization of Trisubstituted Sulfonylurea Derivatives Containing Thiazine

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A new series of 3-(4-substitutedphenyl)-1-(4-(4,6-dimethyl-6H-1,3-thiazin-2-yl)phenylsulfonyl)-1-substitutedurea (5a-o) was prepared and established by spectroscopic and analytical methods. This route of synthesis is proved to be easy and effectual which makes it possible to explore the novel site for substitution in sulfonylurea as well as the way of thiazine can be prepared. Rational of trisubstitution in sulfonylurea derivatives was achieved by protecting the ionizable amine by various aromatic and heterocyclic molecules.