

Design and synthesis of some novel compounds derived from hybrid coumarin-sulfonamides structures

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Abstract. Coumarin, a natural benzopyrone derivative, has garnered significant attention in the field of medicinal chemistry due to its diverse pharmacological properties. Known for their anticoagulant, anti-inflammatory, antimicrobial, and antioxidant activities, coumarins have emerged as promising candidates for drug development. One notable structural modification involves also the incorporation of sulfonamide groups, adding a distinct dimension to the pharmacological profile. Understanding the synergistic effects between coumarin and sulfonamide groups provides valuable information for designing novel therapeutic agents.

References

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Figures

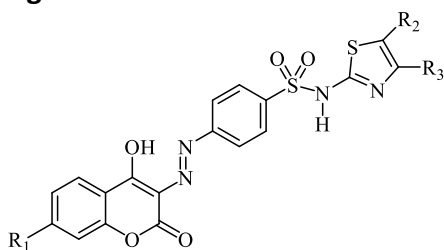


Figure 1. General structure of new syntheses