# COUMARIN-TRIAZOLE-PYRIDINE HYBRIDS WITH BIOLOGICAL INTEREST

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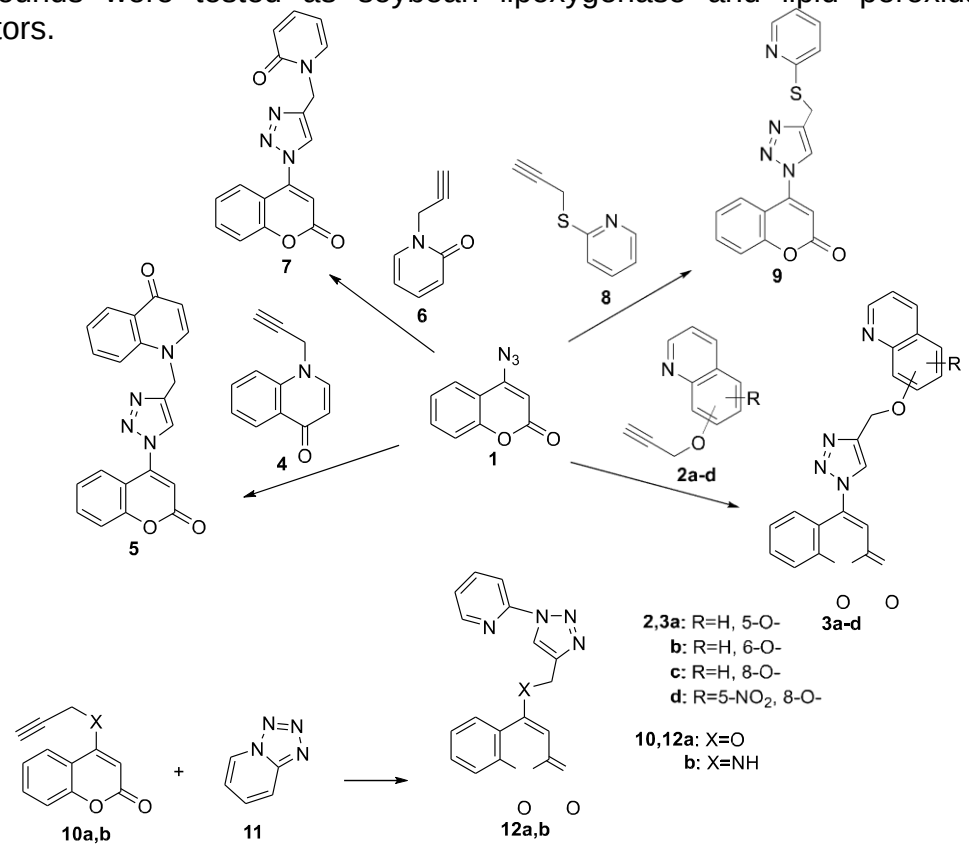
A wide range of coumarin derivatives both naturally distributed and synthetically prepared present a great variety of biological properties. The last decade coumarin- triazole hybrids containing different chemical moieties have been tested for a plethora of biological activities such as anticancer, antibacterial, antifungal, antitubercular, antimalarial, anti-inflammatory and as neuroprotective agents or as multitarget compounds.[1] Quinoline-triazole hybrids present, also, antimicrobial and cytotoxic activity.[2] In continuation to our interest in the synthesis and biological evaluation of new coumarin derivatives we prepared some new hybrids with coumarin, triazole, pyridine or quinoline moieties and we present herein these synthesis. The coumarin and triazole hybrids containing quinoline **3a-d**, **5** or pyridine **7**, **9**, **12a,b** moieties are synthesized from 4-triazolocoumarin (**1**) or tetrazolo[1,5-a]pyridine (**11**) and the propargyl derivatives **2a-d**, **4**, **6**, **8**, **10a,b**, respectively. The prepared new compounds were tested as soybean lipoxygenase and lipid peroxidation inhibitors.




## References

1. K. Bozorova, J. Zhaoa, H. A. Aisa, *Bioorg. Med. Chem.* **2019**, *27*, 3511.
2. P. Awolade, N. Cele, N. Kerru, P. Singh, *Mol. Divers.*, **2021**, 25, 2201.