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Synthesis, cyclooxygenase inhibition, anti-inflammatory evaluation and ulcerogenic liability of new 1,3,5-triarylpyrazoline and 1,5-diarylpyrazole derivatives as selective COX-2 inhibitors

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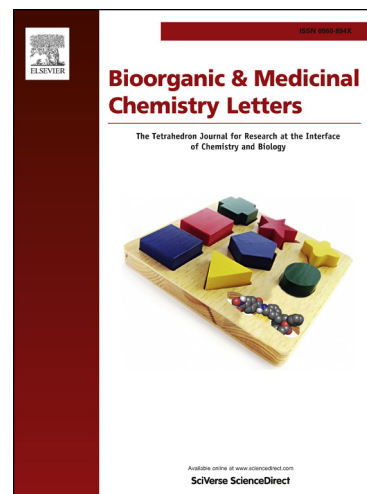
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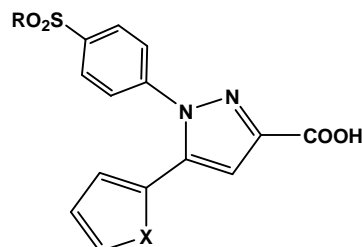
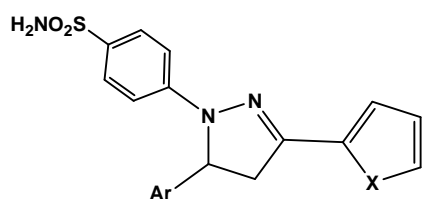
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GRAPHICAL ABSTRACT

Synthesis, cyclooxygenase inhibition, anti-inflammatory evaluation and ulcerogenic liability of new 1,3,5-triarylpyrazoline and 1,5-diarylpyrazole derivatives as selective COX-2 inhibitors

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X = O, S

R = CH₃, NH₂

Ar = 2-furyl, 2-thienyl, C₆H₅, 4-OCH₃C₆H₄, 4-ClC₆H₄, 4-CF₃C₆H₄, 3,4,5-(OCH₃)₃C₆H₂

Keywords: Anti-inflammatory; Pyrazoline; 1,5-Diarylpyrazole; Cyclooxygenase-2 inhibitors.

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