

Pyrazolopyranopyrimidines as a Class of Anti-Inflammatory Agents

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Pyrazolopyranopyrimidines **6a–c** and **8a–c** were prepared from the reaction of compounds **4a–c** or **7a–c** with methylamine or ammonium hydroxide solutions. Treatment of compounds **6a–c** or **8a–c** with 2-chloroethyl methyl ether afforded their corresponding acyclonucleosides **9a–c** or **10a–c**, respectively, as a new class of acyclonucleosides. All prepared compounds were tested as anti-inflammatory agents and some of them revealed moderate to potent anti-inflammatory activity.

Key words: Pyrazolopyranopyrimidines, Acyclonucleosides, Anti-Inflammatory Activity