CONTENT OF THE CHAPTER

Abstract

Pyrimidine substituted s-triazine condensed chalcones have been synthesized in this chapter. The structures of all the compounds synthesized have been established on the basis of their elemental analysis and spectral data (IR, ^{1}H NMR and MS).

CONTENT OF THE CHAPTER

Abstract

This chapter describes the synthesis of isoxazole and pyrazole derivatives of s-triazine by the condensation of corresponding chalcones with hydroxylamine hydrochloride and hydrazine hydrate respectively. The structures of all the compounds have been established on the basis of their elemental analysis and spectral (IR, ^{1}H NMR and MS) data.

CONTENTS OF THE CHAPTER

Abstract

This chapter describes the synthesis of pyrimidine substituted derivatives of s-triazine by the cyclocondensation of corresponding chalcone derivatives with urea, thiourea and guanidine respectively . The structures of all the compounds have been established on the basis of their elemental analysis and spectral (IR, ^{1}H NMR and MS) data.

CONTENTS OF THE CHAPTER

Abstract

A few synthetic compounds from chapter-2, 3, and 4 respectively were screened for their in vitro anti-microbial & in vivo anti-inflammatory activities. Anti-microbial activities against bacterial species such as Escherichia coli and Basillus subtilis and against fungal species such as Aspergillus niger and Fusarium solani were performed by disc diffusion method with respect to the standard drugs (Ciproflaxacin for bacteria and Fluconazole for fungi). Anti-inflammatory activities of the compounds were evaluated by carrageenan induced rat paw edema method by taking Indomethacin as standard drug. Results of both anti-microbial and Anti-inflammatory activities are presented and discussed in this chapter

CONTENTS OF THE CHAPTER

Summary

Abstract Published & Conferences / Seminars Attended

Papers Published