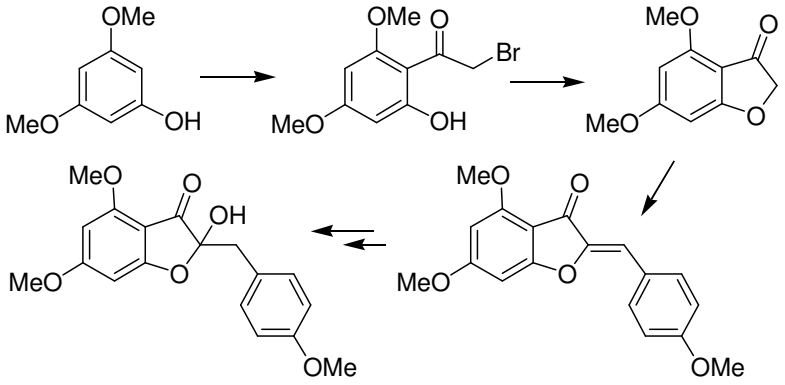
Indian Journal of Chemistry

Sect. B: Organic Chemistry including Medicinal Chemistry

VOL. 48B **NUMBER 3** **March 2009**

CONTENTS

Rapid Communication



A Srikrishna* & M Mathews

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

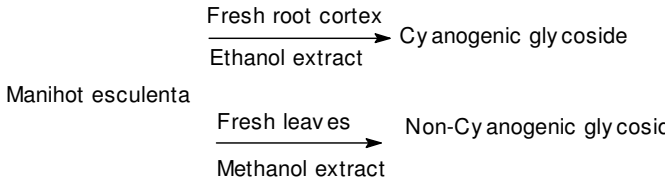
Papers

V D Bobade*, N D Gaikwad & P C Mhaske

Department of Chemistry, HPT Arts & RYK Science College, Nashik 422 005, India

Notes

423 **Cyanogenic and non-cyanogenic glycosides from *Manihot esculenta* (Euphorbiaceae)**

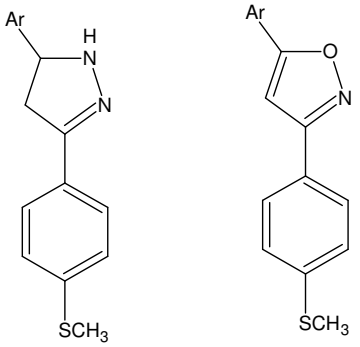


Edet M Anam

Department of Chemical Sciences, Cross River University of Technology, CRUTECH, PMB 1123, Calabar, CRS, Nigeria

430 **Synthesis of some new pyrazolines and isoxazoles carrying 4-methylthiophenyl moiety as potential analgesic and anti-inflammatory agents**

Condensation of 4-acetylthioanisole with different aryl aldehydes under aldol conditions affords α,β-unsaturated ketones (propenones) which undergo facile and clean cyclization with hydrazine hydrate to yield pyrazolines **3a-m** and cyclization with hydroxylamine hydrochloride affords isoxazoles **4a-k** in quantitative yields. The structures of the newly synthesized compounds have been confirmed on the basis of spectral studies. Some of the selected compounds have been tested for their analgesic and anti-inflammatory activity.

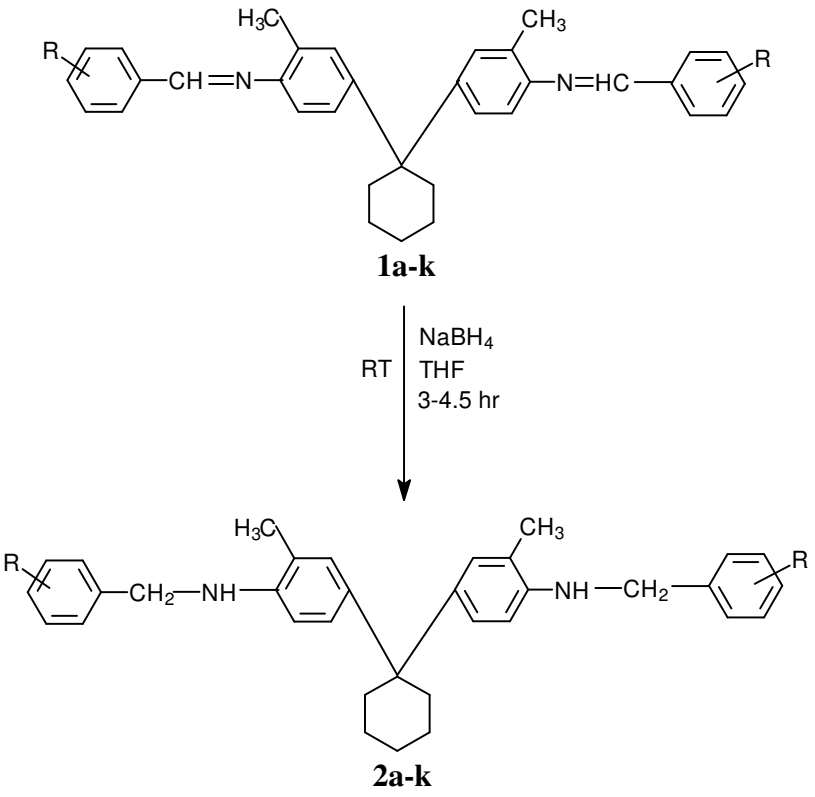


3a-m **4a-k**

Karabasanagouda T[a], Airody Vasudeva Adhikari*[b] & Girisha M[c]

[a]SeQuent Scientific Ltd., New Mangalore 575 011, India

[b]Department of Chemistry, National Institute of Technology Karnataka, Surathkal 575 025, India
[c]Department of Pharmaceutical Chemistry, Gulbarga University, Gulbarga 585 106, India



V K Aghera & P H Parsania*

Department of Chemistry, Saurashtra University, Rajkot 360 005, India

Authors for correspondence are indicated by (*)