

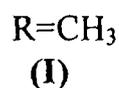
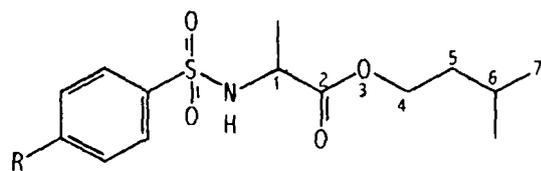
A GENERAL NOTE

Unless stated otherwise:

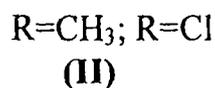
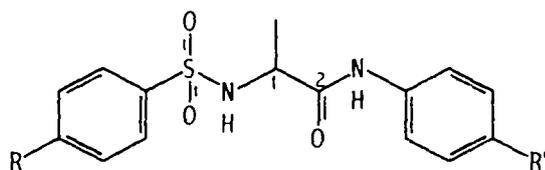
1. All melting points and boiling points reported are in centigrade scale recorded in an electrical melting point apparatus using capillary tube method at an altitude of 2000 meters and are uncorrected.
2. The PMR spectra were recorded in CDCl_3 , CCl_4 or CF_3COOH diluted with CCl_4 Jeol PMS 60 SI, 60 MHz or on EM-390 at 90 MHz spectrophotometer with TMS as internal standard. The chemical shift are expressed in δ values.
3. The mass spectra were recorded on Varian Mat CH-7 Mass Spectrometer and the values are expressed in m/z.
4. The IR spectra were recorded in nujol mull or KBr pellet on a Beckmann spectrophotometer and the values are expressed in cm^{-1} .
5. Thin layer chromatograms (TLC) were run on silica gel-G impregnated with 13% CaSO_4 as binder. Following solvent systems were employed.
 - (a) Benzene: Methanol, 9:1
 - (b) Ether: Pet-Ether: Ethylacetate, 5:5:2

The solvent was allowed to ascend approximately 10-15 cm and the plates were allowed to dry at room temperature. Iodine vapours were generally used to make the spot visible.

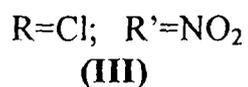
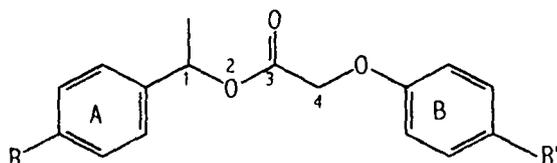
6. The names of the synthetic compounds have been given according to the nomenclature generally followed in juvenoids. It may not be strictly in accordance with IUPAC system. The numbers and naming of the compounds have been done as shown in I, II and III



N-(1,6-dimethyl-2-oxo-3-oxa-heptanyl)-p-toluene sulphonamide



N-(1-methyl-2-oxo-2-p-chloroanilino-ethyl)-p-toluene sulphonamide.



p-Chloro[1-methyl-2-oxa-3-oxo-4-(p-nitro phenoxy)] butyl benzene

Rings were categorized as A and B according to the position they are shown in the structures. Ring appearing first was named 'A' and the other ring as 'B'.

7. Biological testing of the compound was done in the Deptt. of Bio-Sciences, Himachal Pradesh University, Shimla against potato tubes moth.
8. If the same compound appears in different chapters, its number has been given afresh according to the chapter in order to make the writing more symmetrical and reading lucid.