

Synthesis and investigation and microbial activity of open chain of organo– selenium compounds

■ NAGHAM MAHMOOD AL–JAMALI

Author for Correspondence -

**NAGHAM MAHMOOD AL-
JAMALI**

Department of Chemistry, College
of Education for Women, Kufa
University, Kufa, IRAQ
Email : dr.nagham_mj@yahoo.com

Abstract - The target organo –selenium compounds [3-7] were synthesized from the reaction between diethyl malonate and 4-amino benzoyl chloride to produce compound [1], which is react with sodium hydrogen selenide to give corresponding sodium aroylselenide [2], which is react with one of aroyl derivatives as shown in scheme (1) to produce compounds [3-7]. All the synthesized compounds have been investigated using different chemical techniques, such as (H.NMR–spectra, (C.H.N)-analysis, FT.IR–spectra), melting points and biological study.

Key words - Organo selenium, Sulphur, Selenium

How to cite this paper - Al–Jamali, Mahmood Nagham (2013). Synthesis and investigation and microbial activity of open chain of organo– selenium compounds. *Asian J. Exp. Chem.*, 8 (1&2) : 1-6.

Paper history - **Received** : 30.03.2013; **Sent for revision** : 01.11.2013; **Accepted** : 15.11.2013