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-
- [A-Z Journals](#)

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- [Home](#)
- [Editorial Team](#)
- [Articles & Issues](#)
[Articles In press](#) [Current Issue](#) [Archive](#)
- [Guidelines](#)
- [Submit Manuscript](#)
- [Citations](#)
- [Open Access Policy](#)
- [Contact](#)

Der Pharmacia Lettre

Abstract

[Synthesis, characterization, antibacterial, antifungal evaluation of](#)

[linoleic acid derivatives](#)

Author(s): Archana Kapoor, Dina Nath Mishra and Balasubramanian Narasimhan

In this study, a series of linoleic acid derivatives were synthesized and screened for the invitro antimicrobial activity against a panel of three Gram positive bacteria: Staphylococcus aureus, Staphylococcus epidermidis, Bacillus subtilis, two Gram negative bacteria: Escherichia coli, Pseudomonas aeruginosa and two fungal strain: Candida albicans and Aspergillus niger respectively. Compound LA09(9Z, 12Z-butyl octadeca-9,12-dienate) was found to be consistently effective against all the strains. The H1NMR and IR spectra were found to be in accord with assigned structures.

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