

# **Efficient Syntheses of Redox-Switched Naphthoquinone Thiol-Crown Ethers and Their Biological Activity Evaluation**

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摘要.

Series of naphthoquinone thiol-crown ethers had been prepared. The antibacterial, antifungal, and cytotoxic activities of these synthetic naphthoquinone thiol-crown ethers were investigated. All of the compounds tested displayed antibacterial, cytotoxic and antifungal activities. The bis-naphthoquinone thiol-crown ether 7a was the most potent inhibitor among tested analogues against *Staphylococcus aureus* methicillin resistance with MIC value of 2.68 microM.